

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 4, 2003, 14:31:50 ; Search time 35.2613 Seconds
(without alignments)
741.553 Million cell updates/sec

Title: US-08-569-749-2

Perfect score: 3277

Sequence: 1 MHKTASQRLFPGPSPYONIKS.....LRKCPKCRGIKGTVFTEL 618

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

328717

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgnt2_6/ptodata/1/iaa/5A_COMB.rep:*
2: /cgnt2_6/ptodata/1/iaa/5B_COMB.rep:*
3: /cgnt2_6/ptodata/1/iaa/6A_COMB.rep:*
4: /cgnt2_6/ptodata/1/iaa/6B_COMB.rep:*
5: /cgnt2_6/ptodata/1/iaa/PCTUS_COMB.pwp:*
6: /cgnt2_6/ptodata/1/iaa/backfile1.pwp:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3277	100.0	618	US-08-569-749-2	Sequence 2, Appli
2	3277	100.0	618	US-09-069-023-29	Sequence 29, Appli
3	3277	100.0	618	PCT-US96-12860-2	Sequence 2, Appli
4	3247	99.1	618	US-08-511-485-8	Sequence 8, Appli
5	3247	99.1	618	US-09-212-971-8	Sequence 8, Appli
6	3247	99.1	618	US-08-800-929A-8	Sequence 8, Appli
7	3247	99.1	618	US-09-617-053A-8	Sequence 8, Appli
8	3247	99.1	618	US-09-201-936-8	Sequence 8, Appli
9	2728	83.2	612	US-08-569-749-14	Sequence 14, Appli
10	2728	83.2	612	PCT-US96-12860-14	Sequence 14, Appli
11	2724	83.1	612	US-09-212-971-14	Sequence 14, Appli
12	2724	83.1	612	US-08-800-929A-14	Sequence 14, Appli
13	2724	83.1	612	US-09-617-053A-14	Sequence 14, Appli
14	2654	81.0	591	US-09-201-936-42	Sequence 42, Appli
15	2353	71.8	604	US-08-569-749-4	Sequence 4, Appli
16	2353	71.8	604	PCT-US96-12860-4	Sequence 4, Appli
17	2332	71.2	604	US-08-511-485-6	Sequence 6, Appli
18	2332	71.2	604	US-09-212-971-6	Sequence 6, Appli
19	2332	71.2	604	US-08-800-929A-6	Sequence 6, Appli
20	2332	71.2	604	US-09-617-053A-6	Sequence 6, Appli
21	2332	71.2	604	US-09-201-936-6	Sequence 6, Appli
22	2326	71.0	438	PCT-US95-05922A-2	Sequence 2, Appli
23	2172	66.3	600	US-09-212-971-12	Sequence 12, Appli
24	2172	66.3	600	US-08-800-929A-12	Sequence 12, Appli
25	2172	66.3	600	US-09-617-053A-12	Sequence 12, Appli
26	2152	65.7	602	US-09-201-936-40	Sequence 40, Appli
27	909	27.7	497	US-08-511-485-4	Sequence 4, Appli

28	909	27.7	497	3	US-09-212-971-4	Sequence 4, Appli
29	909	27.7	497	3	US-08-800-929A-4	Sequence 4, Appli
30	909	27.7	497	4	US-09-617-053A-4	Sequence 4, Appli
31	909	27.7	497	4	US-09-201-936-4	Sequence 4, Appli
32	908	27.7	497	4	US-08-657-759-2	Sequence 2, Appli
33	874	26.7	496	2	US-08-511-485-10	Sequence 10, Appli
34	874	26.7	496	3	US-09-212-971-10	Sequence 10, Appli
35	874	26.7	496	3	US-08-800-929A-10	Sequence 10, Appli
36	874	26.7	496	4	US-09-617-053A-10	Sequence 10, Appli
37	874	26.7	496	4	US-09-201-936-10	Sequence 10, Appli
38	737	22.5	497	4	US-08-657-759-1	Sequence 1, Appli
39	736.5	22.5	498	2	US-08-511-485-13	Sequence 13, Appli
40	736.5	22.5	498	4	US-09-201-936-13	Sequence 13, Appli
41	513	15.7	268	3	US-08-836-134-22	Sequence 22, Appli
42	513	15.7	268	4	US-09-493-784-22	Sequence 22, Appli
43	492.5	15.0	236	4	US-09-239-867-4	Sequence 4, Appli
44	466.5	14.2	377	4	US-09-502-528-3	Sequence 3, Appli
45	463	14.1	1151	3	US-08-836-134-23	Sequence 23, Appli

ALIGNMENTS

RESULT 1
US-08-569-749-2
Sequence 2, Application US/08569749

Patent No. 6187557

GENERAL INFORMATION:

APPLICANT: Rothe, Mike

APPLICANT: Goedel, David V

TITLE OF INVENTION: INHIBITORS OF APOPTOSIS

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT

STREET: 4 Embarcadero Center, Suite 3400

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/569,749

FILING DATE:

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: Brezner, David J.

REGISTRATION NUMBER: 24,774

REFERENCE/DOCKET NUMBER: A-62464/DJB

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 781-1989

TELEFAX: (415) 398-3249

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 618 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-569-749-2

Query Match

Best Local Similarity 100.0%; Score 3277; DB 3; Length 618;

Matches 618; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MHKTASQRLFPGPSPYONIKSINEDSTLISDWTNSNKKMKYDFSCELYRMSTYSTPAGV 60
DB 1 MHKTASQRLFPGPSPYONIKSINEDSTLISDWTNSNKKMKYDFSCELYRMSTYSTPAGV 60
QY 61 PVERSLARAGFYTGNDKXKFCGGLMDNWKJGDSPIQKHQLYPSCSFIQNLVSA 120

Db 61 PVSESLARAGFYTGVDKVCFCGGLMDNWKGLGDSPIQKHQOLYPSGSFIQNLVSAS 120
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Db 121 LGSTSKNTSPMRNSFAHSLSPLEHSSLFSGSYSSLSPPNLSRAVEDISSRTPYSYA 180
QY 181 MSTEARFLTYHMMPLTFLSPSELARAGFYIIGPDRVACFACGKLSNWEPRDAMSEH 240
Db 181 MSTEARFLTYHMMPLTFLSPSELARAGFYIIGPDRVACFACGKLSNWEPRDAMSEH 240
QY 241 RHFPNCPFLNSLETFLRFSISNLSMOTHAARMRTFMTPSSVPVQPEQLASAGFYVGR 300
Db 241 RHFPNCPFLNSLETFLRFSISNLSMOTHAARMRTFMTPSSVPVQPEQLASAGFYVGR 300
QY 301 NDDVKCFCCDGLRCWESGDDPWVEHAKMFPCEFLIRMGQEFVDEIQGRYPHLEQLL 360
Db 301 NDDVKCFCCDGLRCWESGDDPWVEHAKMFPCEFLIRMGQEFVDEIQGRYPHLEQLL 360
QY 361 STSDTGEENADPPIIHFGPGESSSEDAVMNTPPVKSALEMGNRDLVKQTVQSKILTT 420
Db 361 STSDTGEENADPPIIHFGPGESSSEDAVMNTPPVKSALEMGNRDLVKQTVQSKILTT 420
QY 421 GENYKTVNDIVSALINADEKREBEKEKQAEEMASDDLILIRKNMALFOQLTCLPLID 480
Db 421 GENYKTVNDIVSALINADEKREBEKEKQAEEMASDDLILIRKNMALFOQLTCLPLID 480
QY 481 NLLKANVINKEHDIIOKTOIPLQARELIDTILVKGNAANIFKNCLEIDSTLYKNLF 540
Db 481 NLLKANVINKEHDIIOKTOIPLQARELIDTILVKGNAANIFKNCLEIDSTLYKNLF 540
QY 541 VDKNMKYIPTEDVSGLSLEBQLRLOEBRTCKVCMDEKSVVFIPCGHLVWCQCAPSLR 600
Db 541 VDKNMKYIPTEDVSGLSLEBQLRLOEBRTCKVCMDEKSVVFIPCGHLVWCQCAPSLR 600
QY 601 KCPICRGIIKGTVRTFLS 618
Db 601 KCPICRGIIKGTVRTFLS 618

RESULT 2
US-09-069-023-29
; Sequence 29, Application US/09069023A
; Patent No. 6348573
; GENERAL INFORMATION:
; APPLICANT: Nunez, Gabriel
; APPLICANT: Inohara, Naohiro
; APPLICANT: Koseki, Takeyoshi
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
; FILE REFERENCE: UM-03333
; CURRENT APPLICATION NUMBER: US/09/069,023A
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 29
; LENGTH: 618
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-069-023-29

Query Match 100.0%; Score 3277; DB 4; Length 618;
Best Local Similarity 100.0%; Pred. No. 4.8e-308;
Matches 618; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MHKTASQRLPFGPSYONIKSINEDSTILSDWTNSNKKMKYDFSCELYRMSTYSTEPAGV 60
Db 1 MHKTASQRLPFGPSYONIKSINEDSTILSDWTNSNKKMKYDFSCELYRMSTYSTEPAGV 60
QY 61 PVSESLARAGFYTGVDKVCFCGGLMDNWKGLGDSPIQKHQOLYPSGSFIQNLVSAS 120
Db 61 PVSESLARAGFYTGVDKVCFCGGLMDNWKGLGDSPIQKHQOLYPSGSFIQNLVSAS 120

QY 121 LGSTSKNTSPMRNSFAHSLSPLEHSSLFSGSYSSLSPPNLSRAVEDISSRTPYSYA 180
Db 121 LGSTSKNTSPMRNSFAHSLSPLEHSSLFSGSYSSLSPPNLSRAVEDISSRTPYSYA 180
QY 181 MSTEARFLTYHMMPLTFLSPSELARAGFYIIGPDRVACFACGKLSNWEPRDAMSEH 240
Db 181 MSTEARFLTYHMMPLTFLSPSELARAGFYIIGPDRVACFACGKLSNWEPRDAMSEH 240
QY 241 RHFPNCPFLNSLETFLRFSISNLSMOTHAARMRTFMTPSSVPVQPEQLASAGFYVGR 300
Db 241 RHFPNCPFLNSLETFLRFSISNLSMOTHAARMRTFMTPSSVPVQPEQLASAGFYVGR 300
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Db 301 NDDVKCFCCDGLRCWESGDDPWVEHAKMFPCEFLIRMGQEFVDEIQGRYPHLEQLL 360
QY 361 STSDTGEENADPPIIHFGPGESSSEDAVMNTPPVKSALEMGNRDLVKQTVQSKILTT 420
Db 361 STSDTGEENADPPIIHFGPGESSSEDAVMNTPPVKSALEMGNRDLVKQTVQSKILTT 420
QY 421 GENYKTVNDIVSALINADEKREBEKEKQAEEMASDDLILIRKNMALFOQLTCLPLID 480
Db 421 GENYKTVNDIVSALINADEKREBEKEKQAEEMASDDLILIRKNMALFOQLTCLPLID 480
QY 481 NLLKANVINKEHDIIOKTOIPLQARELIDTILVKGNAANIFKNCLEIDSTLYKNLF 540
Db 481 NLLKANVINKEHDIIOKTOIPLQARELIDTILVKGNAANIFKNCLEIDSTLYKNLF 540
QY 541 VDKNMKYIPTEDVSGLSLEBQLRLOEBRTCKVCMDEKSVVFIPCGHLVWCQCAPSLR 600
Db 541 VDKNMKYIPTEDVSGLSLEBQLRLOEBRTCKVCMDEKSVVFIPCGHLVWCQCAPSLR 600
QY 601 KCPICRGIIKGTVRTFLS 618
Db 601 KCPICRGIIKGTVRTFLS 618

RESULT 3
PCT-US96-12860-2
; Sequence 2, Application PC/TUS9612860
; GENERAL INFORMATION:
; APPLICANT: TULARIK, INC.
; TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/12860
; FILING DATE: 06 AUG 1996
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: U.S. Serial No. 08/512,946 & 08/569,749
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Brezner, David J.
; REGISTRATION NUMBER: 24,774
; REFERENCE/DOCKET NUMBER: A-62464/DJB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 618 amino acids

TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-12860-2

Query Match 100.0%; Score 3277; DB 5; Length 618;
Best Local Similarity 100.0%; Pred. No. 4,8e-308;
Matches 618; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MHKTAQRLFPSPYQNIKSIIMEDSTLSDMTNSNKKQKDYDFSCELYRMSTYSTEPAGV 60
DB 1 MHKTAQRLFPSPYQNIKSIIMEDSTLSDMTNSNKKQKDYDFSCELYRMSTYSTEPAGV 60
QY 61 PVSRSLARAGFYTYGVNDKVKCFCCGMLDNWKLGDSPLOKHQOLYPCSFIONLVAS 120
DB 61 PVSRSLARAGFYTYGVNDKVKCFCCGMLDNWKLGDSPLOKHQOLYPCSFIONLVAS 120
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DB 121 LGSTSKNTSPMNSFAHSLPTLHSSLPFGSYSLSPNPLNSRAVEDISSRTNPYSYA 180
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DB 181 MSTEARFLTYHMPPLTFLSPSELARAGFYIIGPDRVACFACGKLSNWEPKDAMSEH 240
QY 241 RRHFPNCPLENSLETFLRFSISNLSMOTHAARMRTFMYPSSVPVQPEQLASAGFYVGR 300
DB 241 RRHFPNCPLENSLETFLRFSISNLSMOTHAARMRTFMYPSSVPVQPEQLASAGFYVGR 300
QY 301 NDDVCFCCDGLRCWESGDDPWEHAKMPRCEFLIRKQGEFVDEIOGRYPHLLBOUL 360
DB 301 NDDVCFCCDGLRCWESGDDPWEHAKMPRCEFLIRKQGEFVDEIOGRYPHLLBOUL 360
QY 361 STSDTTEENADPPIIHFGPGESSSEDAVMNTPVVKSLIMGFNRDLVKQTVOSKILTT 420
DB 361 STSDTTEENADPPIIHFGPGESSSEDAVMNTPVVKSLIMGFNRDLVKQTVOSKILTT 420
QY 421 GENKTVNDIVSALLNADEKREKEKQAEEMASDLSLRKNRMALFOQLTCLPLID 480
DB 421 GENKTVNDIVSALLNADEKREKEKQAEEMASDLSLRKNRMALFOQLTCLPLID 480
QY 481 NLKANVINKEHDIKQKTOIPLQARELIDTILVKGNAANIFKNCLKEIDSTLYKNLF 540
DB 481 NLKANVINKEHDIKQKTOIPLQARELIDTILVKGNAANIFKNCLKEIDSTLYKNLF 540
QY 541 VDKMKYIPTEDVSGLSLEQLRLQERTCKVCMDEKESVVFIPCGHLVVCQECAPSLR 600
DB 541 VDKMKYIPTEDVSGLSLEQLRLQERTCKVCMDEKESVVFIPCGHLVVCQECAPSLR 600
QY 601 KCPICRGIIKGTITFLS 618
DB 601 KCPICRGIIKGTITFLS 618

RESULT 4
US-08-511-485-8

Sequence 8, Application US/08511485
Patent No. 5919912
GENERAL INFORMATION:
APPLICANT: Korneluk, Robert G.
APPLICANT: Mackenzie, Alexander E.
APPLICANT: Baird, Stephen
TITLE OF INVENTION: MAMMALIAN IAP GENE FAMILY, PRIMERS,
NUMBER OF SEQUENCES: 38
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110-2804

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/511,485
FILING DATE: 04-AUG-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Paul T.
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 07540/002001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 618 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: both
MOLECULE TYPE: protein
US-08-511-485-8

Query Match 99.1%; Score 3247; DB 2; Length 618;
Best Local Similarity 99.4%; Pred. No. 3.8e-305;
Matches 614; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 MHKTAQRLFPSPYQNIKSIIMEDSTLSDMTNSNKKQKDYDFSCELYRMSTYSTEPAGV 60
DB 1 MHKTAQRLFPSPYQNIKSIIMEDSTLSDMTNSNKKQKDYDFSCELYRMSTYSTEPAGV 60
QY 61 PVSRSLARAGFYTYGVNDKVKCFCCGMLDNWKLGDSPLOKHQOLYPCSFIONLVAS 120
DB 61 PVSRSLARAGFYTYGVNDKVKCFCCGMLDNWKLGDSPLOKHQOLYPCSFIONLVAS 120
QY 121 LGSTSKNTSPMNSFAHSLPTLHSSLPFGSYSLSPNPLNSRAVEDISSRTNPYSYA 180
DB 121 LGSTSKNTSPMNSFAHSLPTLHSSLPFGSYSLSPNPLNSRAVEDISSRTNPYSYA 180
QY 181 MSTEARFLTYHMPPLTFLSPSELARAGFYIIGPDRVACFACGKLSNWEPKDAMSEH 240
DB 181 MSTEARFLTYHMPPLTFLSPSELARAGFYIIGPDRVACFACGKLSNWEPKDAMSEH 240
QY 241 RRHFPNCPLENSLETFLRFSISNLSMOTHAARMRTFMYPSSVPVQPEQLASAGFYVGR 300
DB 241 RRHFPNCPLENSLETFLRFSISNLSMOTHAARMRTFMYPSSVPVQPEQLASAGFYVGR 300
QY 301 NDDVCFCCDGLRCWESGDDPWEHAKMPRCEFLIRKQGEFVDEIOGRYPHLLBOUL 360
DB 301 NDDVCFCCDGLRCWESGDDPWEHAKMPRCEFLIRKQGEFVDEIOGRYPHLLBOUL 360
QY 361 STSDTTEENADPPIIHFGPGESSSEDAVMNTPVVKSLIMGFNRDLVKQTVOSKILTT 420
DB 361 STSDTTEENADPPIIHFGPGESSSEDAVMNTPVVKSLIMGFNRDLVKQTVOSKILTT 420
QY 421 GENKTVNDIVSALLNADEKREKEKQAEEMASDLSLRKNRMALFOQLTCLPLID 480
DB 421 GENKTVNDIVSALLNADEKREKEKQAEEMASDLSLRKNRMALFOQLTCLPLID 480
QY 481 NLKANVINKEHDIKQKTOIPLQARELIDTILVKGNAANIFKNCLKEIDSTLYKNLF 540
DB 481 NLKANVINKEHDIKQKTOIPLQARELIDTILVKGNAANIFKNCLKEIDSTLYKNLF 540
QY 541 VDKMKYIPTEDVSGLSLEQLRLQERTCKVCMDEKESVVFIPCGHLVVCQECAPSLR 600
DB 541 VDKMKYIPTEDVSGLSLEQLRLQERTCKVCMDEKESVVFIPCGHLVVCQECAPSLR 600
QY 601 KCPICRGIIKGTITFLS 618
DB 601 KCPICRGIIKGTITFLS 618

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RESULT 5
US-09-212-971-8
; Sequence 8, Application US/09212971B
; Patent No. 6107041
; GENERAL INFORMATION:
; APPLICANT: Korneluk, Robert G
; APPLICANT: Mackenzie, Alexander E
; APPLICANT: Liston, Peter
; APPLICANT: Baird, Stephen
; APPLICANT: Tsang, Benjamin K
; APPLICANT: Pratt, Christine
; TITLE OF INVENTION: DETECTION AND MODULATION OF INPS AND
; TITLE OF INVENTION: NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
; FILE REFERENCE: 07891/009002
; CURRENT APPLICATION NUMBER: US/09/212, 971B
; CURRENT FILING DATE: 1998-12-16
; EARLIER APPLICATION NUMBER: 60/017,354
; EARLIER FILING DATE: 1996-04-26
; EARLIER APPLICATION NUMBER: 60/030,590
; EARLIER FILING DATE: 1996-11-14
; EARLIER APPLICATION NUMBER: 08/800,929
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 618
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-212-971-8

Query Match      99.1%; Score 3247; DB 3; Length 618;
Best Local Similarity 99.4%; Pred. No. 3.8e-305;
Matches 614; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 MHKTASQRLPFGPSYONIKSIMEDSTILSDWTNSNKKQKMDPSCCELYRMSTYSTFPAGV 60
DB 1 MHKTASQRLPFGPSYONIKSIMEDSTILSDWTNSNKKQKMDPSCCELYRMSTYSTFPAGV 60
QY 61 PVSESLARAGFYTGVDKVCFCGGLMDNWKLGDSPIQKHQKLYPSCSFIQNLVSAS 120
DB 61 PVSESLARAGFYTGVDKVCFCGGLMDNWKLGDSPIQKHQKLYPSCSFIQNLVSAS 120
QY 121 LGSTSKNTSPMRNSFAHSLPFLIEHSSLFSGSYSSLSPNPLNSRAVEDISSRTNPYSYA 180
DB 121 LGSTSKNTSPMRNSFAHSLPFLIEHSSLFSGSYSSLSPNPLNSRAVEDISSRTNPYSYA 180
QY 181 MSTEERARFLTYHWPFLFLPSBELARAGFYIIGPDRVACACGGLSNWEPKODAMSEH 240
DB 181 MSTEERARFLTYHWPFLFLPSBELARAGFYIIGPDRVACACGGLSNWEPKODAMSEH 240
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DB 241 RRHFPNCPFLNLSLETFLRSISNLSMOTHAARMRTFMYWPSVPOPEOLASAGFYVGR 300
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DB 301 NDVYKFCFCDGGLRCWESGDDPWEHAKWPRCEFLIRMKQEFVDEIQGRYPHILBOLL 360
QY 361 STSDTTGENADPPIIHFGPGSSSEDAVMMNTPVVKSALFMGFNDLVKQTVLSKILTT 420
DB 361 STSDTTGENADPPIIHFGPGSSSEDAVMMNTPVVKSALFMGFNDLVKQTVLSKILTT 420
QY 421 GENKTVNDIVSALLNADEKEEKEKEQAEEMASDLSLRKNMALFOQLTQVLPILD 480
DB 421 GENKTVNDIVSALLNADEKEEKEKEQAEEMASDLSLRKNMALFOQLTQVLPILD 480
QY 481 NLKANVINKQEHDIKQKQPLQARELIDTILVKNAANIFKNCKEIDSTLYKNLF 540
DB 481 NLKANVINKQEHDIKQKQPLQARELIDTILVKNAANIFKNCKEIDSTLYKNLF 540
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QY 541 VDKMKYIPTEDVSGLSLEQLRLQOEERTCKVCMDEKESVVFIPCGHLVWCOCAPSIR 600
DB 541 VDKMKYIPTEDVSGLSLEQLRLQOEERTCKVCMDEKESVVFIPCGHLVWCOCAPSIR 600
QY 601 KCPICRGIIKGTVRTFLS 618
DB 601 KCPICRGIIKGTVRTFLS 618

RESULT 6
US-08-800-929A-8
; Sequence 8, Application US/08800929A
; Patent No. 6133437
; GENERAL INFORMATION:
; APPLICANT: Korneluk, Robert G
; APPLICANT: Mackenzie, Alexander E
; APPLICANT: Liston, Peter
; APPLICANT: Baird, Stephen
; APPLICANT: Tsang, Benjamin K
; APPLICANT: Pratt, Christine
; TITLE OF INVENTION: DETECTION AND MODULATION OF
; TITLE OF INVENTION: IAPS AND NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Clark & Elbling LLP
; STREET: 176 Federal Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/800,929A
; FILING DATE: 13-FEB-1997
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/030,590
; FILING DATE: 14-NOV-1996
; APPLICATION NUMBER: 60/017,354
; FILING DATE: 26-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Bleker-Brady, Kristina
; REGISTRATION NUMBER:
; REFERENCE/DOCKET NUMBER: 07891/009001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-428-0200
; TELEFAX: 617-428-7045
; TELEX:
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 618 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-800-929A-8

Query Match      99.1%; Score 3247; DB 3; Length 618;
Best Local Similarity 99.4%; Pred. No. 3.8e-305;
Matches 614; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 MHKTASQRLPFGPSYONIKSIMEDSTILSDWTNSNKKQKMDPSCCELYRMSTYSTFPAGV 60
DB 1 MHKTASQRLPFGPSYONIKSIMEDSTILSDWTNSNKKQKMDPSCCELYRMSTYSTFPAGV 60
QY 61 PVSESLARAGFYTGVDKVCFCGGLMDNWKLGDSPIQKHQKLYPSCSFIQNLVSAS 120
DB 61 PVSESLARAGFYTGVDKVCFCGGLMDNWKLGDSPIQKHQKLYPSCSFIQNLVSAS 120
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QY 121 LGSTSKNTSPMNSFAHSLPTLEHSLFSGSYSSLSPNPLNSRAVEDISSRTNPYSYA 180
 DB 121 LGSTSKNTSPMNSFAHSLPTLEHSLFSGSYSSLSPNPLNSRAVEDISSRTNPYSYA 180
 QY 181 MSTEARFLTYHMPPLTFLSPSELARAGFYIIGPDRVACFACGKLSNWEPKDAMSEH 240
 DB 181 MSTEARFLTYHMPPLTFLSPSELARAGFYIIGPDRVACFACGKLSNWEPKDAMSEH 240
 QY 241 RRHFPNCPFLNSLETFLRFSISNLSMOTHAARMRTFMWSSVPVQPEQLASAGFYVGR 300
 DB 241 RRHFPNCPFLNSLETFLRFSISNLSMOTHAARMRTFMWSSVPVQPEQLASAGFYVGR 300
 QY 301 NDDVKCFCCDGLRCWESGDDPWVEHAKMPPRCFELIRMGQEFVDEIQGRYPHLLBOLL 360
 DB 301 NDDVKCFCCDGLRCWESGDDPWVEHAKMPPRCFELIRMGQEFVDEIQGRYPHLLBOLL 360
 QY 361 STSDTTGEBNADPPIIHFGPGESSSEDVAMNTPVYKSALEMGNRDLYKQTVOSKILTT 420
 DB 361 STSDTTGEBNADPPIIHFGPGESSSEDVAMNTPVYKSALEMGNRDLYKQTVOSKILTT 420
 QY 421 GENYKTVNDIVSALINADEKREBEKEKQAEEMASDDLIRKNRMALFOQLTCVLPILD 480
 DB 421 GENYKTVNDIVSALINADEKREBEKEKQAEEMASDDLIRKNRMALFOQLTCVLPILD 480
 QY 481 NLKANVINKEHDIKOKTOIPLQARELIDTILVKGNAANIFKNCLKEIDSTLYKNLF 540
 DB 481 NLKANVINKEHDIKOKTOIPLQARELIDTILVKGNAANIFKNCLKEIDSTLYKNLF 540
 QY 541 VDKMKYIPTEDVSGSLSEBQLRLQEBRTCKVCMDEKESVVFIPCGHLVVCQECAPSIR 600
 DB 541 VDKMKYIPTEDVSGSLSEBQLRLQEBRTCKVCMDEKESVVFIPCGHLVVCQECAPSIR 600
 QY 601 KCPICRGIIKGTVRTFLS 618
 DB 601 KCPICRGIIKGTVRTFLS 618

RESULT 7

US-09-617-053A-8
 ; Sequence 8, Application US/09617053A
 ; Patent No. 6300492
 ; GENERAL INFORMATION:
 ; APPLICANT: Korneluk, Robert G
 ; APPLICANT: Mackenzie, Alexander E
 ; APPLICANT: Liston, Peter
 ; APPLICANT: Teang, Benjamin K
 ; APPLICANT: Pratt, Christine
 ; TITLE OF INVENTION: DETECTION AND MODULATION OF IAPs AND
 ; TITLE OF INVENTION: NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
 ; FILE REFERENCE: 07891/009003
 ; CURRENT APPLICATION NUMBER: US/09/617,053A
 ; CURRENT FILING DATE: 2000-07-14
 ; PRIOR APPLICATION NUMBER: US 08/800,929
 ; PRIOR FILING DATE: 1997-02-13
 ; NUMBER OF SEQ ID NOS: 17
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 8
 ; LENGTH: 618
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-617-053A-8

Query Match 99.1%; Score 3247; DB 4; Length 618;
 Best Local Similarity 99.4%; Pred. No. 3.8e-305;
 Matches 614; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 MHTASQRLPFGSYONIKSINEDSTILSDWTNSNKKOKMTDFSCLYRNSTYSTPAGV 60
 DB 1 MHTASQRLPFGSYONIKSINEDSTILSDWTNSNKKOKMTDFSCLYRNSTYSTPAGV 60

QY 61 PVSESLARAGFYIIGVNDKVCFCGGLMDNMKLGDSPIQKHQLYSCSFIONLVAS 120
 DB 61 PVSESLARAGFYIIGVNDKVCFCGGLMDNMKLGDSPIQKHQLYSCSFIONLVAS 120
 QY 121 LGSTSKNTSPMNSFAHSLPTLEHSLFSGSYSSLSPNPLNSRAVEDISSRTNPYSYA 180
 DB 121 LGSTSKNTSPMNSFAHSLPTLEHSLFSGSYSSLSPNPLNSRAVEDISSRTNPYSYA 180
 QY 181 MSTEARFLTYHMPPLTFLSPSELARAGFYIIGPDRVACFACGKLSNWEPKDAMSEH 240
 DB 181 MSTEARFLTYHMPPLTFLSPSELARAGFYIIGPDRVACFACGKLSNWEPKDAMSEH 240
 QY 241 RRHFPNCPFLNSLETFLRFSISNLSMOTHAARMRTFMWSSVPVQPEQLASAGFYVGR 300
 DB 241 RRHFPNCPFLNSLETFLRFSISNLSMOTHAARMRTFMWSSVPVQPEQLASAGFYVGR 300
 QY 301 NDDVKCFCCDGLRCWESGDDPWVEHAKMPPRCFELIRMGQEFVDEIQGRYPHLLBOLL 360
 DB 301 NDDVKCFCCDGLRCWESGDDPWVEHAKMPPRCFELIRMGQEFVDEIQGRYPHLLBOLL 360
 QY 361 STSDTTGEBNADPPIIHFGPGESSSEDVAMNTPVYKSALEMGNRDLYKQTVOSKILTT 420
 DB 361 STSDTTGEBNADPPIIHFGPGESSSEDVAMNTPVYKSALEMGNRDLYKQTVOSKILTT 420
 QY 421 GENYKTVNDIVSALINADEKREBEKEKQAEEMASDDLIRKNRMALFOQLTCVLPILD 480
 DB 421 GENYKTVNDIVSALINADEKREBEKEKQAEEMASDDLIRKNRMALFOQLTCVLPILD 480
 QY 481 NLKANVINKEHDIKOKTOIPLQARELIDTILVKGNAANIFKNCLKEIDSTLYKNLF 540
 DB 481 NLKANVINKEHDIKOKTOIPLQARELIDTILVKGNAANIFKNCLKEIDSTLYKNLF 540
 QY 541 VDKMKYIPTEDVSGSLSEBQLRLQEBRTCKVCMDEKESVVFIPCGHLVVCQECAPSIR 600
 DB 541 VDKMKYIPTEDVSGSLSEBQLRLQEBRTCKVCMDEKESVVFIPCGHLVVCQECAPSIR 600
 QY 601 KCPICRGIIKGTVRTFLS 618
 DB 601 KCPICRGIIKGTVRTFLS 618

RESULT 8

US-09-201-936-8
 ; Sequence 8, Application US/09201936
 ; Patent No. 6541457
 ; GENERAL INFORMATION:
 ; APPLICANT: Korneluk, Robert G.
 ; APPLICANT: Mackenzie, Alexander E.
 ; APPLICANT: Liston, Peter
 ; TITLE OF INVENTION: MAMMALIAN IAP GENE FAMILY, PRIMERS,
 ; TITLE OF INVENTION: PROBES, AND DETECTION METHODS
 ; FILE REFERENCE: 07891/003003
 ; CURRENT APPLICATION NUMBER: US/09/201,936
 ; CURRENT FILING DATE: 1998-12-01
 ; EARLIER APPLICATION NUMBER: 09/011,356
 ; EARLIER FILING DATE: 1998-02-04
 ; EARLIER APPLICATION NUMBER: PCT/IB96/01022
 ; EARLIER FILING DATE: 1996-08-05
 ; EARLIER APPLICATION NUMBER: 08/576,956
 ; EARLIER FILING DATE: 1995-12-22
 ; EARLIER APPLICATION NUMBER: 08/511,485
 ; EARLIER FILING DATE: 1995-08-04
 ; NUMBER OF SEQ ID NOS: 45
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 8
 ; LENGTH: 618
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-201-936-8

Query Match 99.1%; Score 3247; DB 4; Length 618;
 Best Local Similarity 99.4%; Pred. No. 3.8e-305;

QY 1 MHTASQRLPFGSYONIKSINEDSTILSDWTNSNKKOKMTDFSCLYRNSTYSTPAGV 60
 DB 1 MHTASQRLPFGSYONIKSINEDSTILSDWTNSNKKOKMTDFSCLYRNSTYSTPAGV 60

Matches 614; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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QY 1 MHKTAQORLPFGPSYONIKSIMEDSTILSDWTNSNOKMKYDFSCELYRMSTYSTFPAGV 60
DB 1 MHKTAQORLPFGPSYONIKSIMEDSTILSDWTNSNOKMKYDFSCELYRMSTYSTFPAGV 60
QY 61 PVSESLARAGFYTGVDKVKCFCCGLMDNMKLGDSPIQKHQOLYPSCSFIQNLVSAS 120
DB 61 PVSESLARAGFYTGVDKVKCFCCGLMDNMKLGDSPIQKHQOLYPSCSFIQNLVSAS 120
QY 121 LGSTSKNTSPMNSFAHSLSPLEHSSLFSGSYSLSPNPLNSRAVEDISSRTPYSYA 180
DB 121 LGSTSKNTSPMNSFAHSLSPLEHSSLFSGSYSLSPNPLNSRAVEDISSRTPYSYA 180
QY 181 MSTEBAFLTYHMWPLTFLSPBELARAGFYIIGPDRVACFACGKLSNWEPKDAMSEH 240
DB 181 MSTEBAFLTYHMWPLTFLSPBELARAGFYIIGPDRVACFACGKLSNWEPKDAMSEH 240
QY 241 RHHFPCPLENSLETIRFSISNLSMOTHAARMRTFMYSPSSVPVQPEOLASAGFYVGR 300
DB 241 RHHFPCPLENSLETIRFSISNLSMOTHAARMRTFMYSPSSVPVQPEOLASAGFYVGR 300
QY 301 NDDVKCFCCDGLRCWESGDDPWVEHAKWPRCEFLIRMGQEFVDEIQGRYPHLLBQL 360
DB 301 NDDVKCFCCDGLRCWESGDDPWVEHAKWPRCEFLIRMGQEFVDEIQGRYPHLLBQL 360
QY 361 STSDTTEBENDPPIIHFGPGESSSEDAVMNTPVYKSALEMGNRLVYKQTVOSKILT 420
DB 361 STSDTTEBENDPPIIHFGPGESSSEDAVMNTPVYKSALEMGNRLVYKQTVOSKILT 420
QY 421 GENYKTVNDIVSALLNADEKREBEKEKQAEEMASDLSIRKNMALFOQLTCLPIID 480
DB 421 GENYKTVNDIVSALLNADEKREBEKEKQAEEMASDLSIRKNMALFOQLTCLPIID 480
QY 481 NLKANYINKQEHDIKQKQIPLQARELIDTILVKGNAANIIFKNCLEIDSTLYKXLF 540
DB 481 NLKANYINKQEHDIKQKQIPLQARELIDTILVKGNAANIIFKNCLEIDSTLYKXLF 540
QY 541 VDKNMKXITPTEDVSGLSLEQRLRLQERTCKVCMDEKVEVVFIPCGHLVVCQCAPSLR 600
DB 541 VDKNMKXITPTEDVSGLSLEQRLRLQERTCKVCMDEKVEVVFIPCGHLVVCQCAPSLR 600
QY 601 KCPICRGIIKGTVRTPLS 618
DB 601 KCPICRGIIKGTVRTPLS 618

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RESULT 9
US-08-569-749-14
; Sequence 14, Application US/08569749
; Patent No. 6187557
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Goeddel, David V
; TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOEBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/569,749
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:

NAME: Brezner, David J.
REGISTRATION NUMBER: 24,774
REFERENCE/DOCKET NUMBER: A-62464/DJB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415)781-1989
TELEFAX: (415)398-3249
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 612 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-569-749-14

Query Match 83.2%; Score 2728; DB 3; Length 612;
Best Local Similarity 83.4%; Pred. No. 6.2e-255;
Matches 517; Conservative 45; Mismatches 48; Indels 10; Gaps 6;

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QY 1 MHKTAQORLPFGPSYONIKSIMEDSTILSDWTNSNOKMKYDFSCELYRMSTYSTFPAGV 60
DB 1 MHKTAQORLPFGPSYONIKSIMEDSTILSDWTNSNOKMKYDFSCELYRMSTYSTFPAGV 60
QY 61 PVSESLARAGFYTGVDKVKCFCCGLMDNMKLGDSPIQKHQOLYPSCSFIQNLVSAS 120
DB 61 PVSESLARAGFYTGVDKVKCFCCGLMDNMKLGDSPIQKHQOLYPSCSFIQNLVSAS 120
QY 121 LGSTSKNTSPMNSFAHSLSPLEHSSLFSGSYSLSPNPLNSRAVEDISSRTPYSYA 180
DB 121 LGSTSKNTSPMNSFAHSLSPLEHSSLFSGSYSLSPNPLNSRAVEDISSRTPYSYA 180
QY 181 MSTEBAFLTYHMWPLTFLSPBELARAGFYIIGPDRVACFACGKLSNWEPKDAMSEH 240
DB 181 MSTEBAFLTYHMWPLTFLSPBELARAGFYIIGPDRVACFACGKLSNWEPKDAMSEH 240
QY 241 RHHFPCPLENSLETIRFSISNLSMOTHAARMRTFMYSPSSVPVQPEOLASAGFYVGR 300
DB 241 RHHFPCPLENSLETIRFSISNLSMOTHAARMRTFMYSPSSVPVQPEOLASAGFYVGR 300
QY 301 NDDVKCFCCDGLRCWESGDDPWVEHAKWPRCEFLIRMGQEFVDEIQGRYPHLLBQL 360
DB 301 NDDVKCFCCDGLRCWESGDDPWVEHAKWPRCEFLIRMGQEFVDEIQGRYPHLLBQL 360
QY 361 STSDTTEBENDPPIIHFGPGESSSEDAVMNTPVYKSALEMGNRLVYKQTVOSKILT 420
DB 361 STSDTTEBENDPPIIHFGPGESSSEDAVMNTPVYKSALEMGNRLVYKQTVOSKILT 420
QY 421 GENYKTVNDIVSALLNADEKREBEKEKQAEEMASDLSIRKNMALFOQLTCLPIID 480
DB 421 GENYKTVNDIVSALLNADEKREBEKEKQAEEMASDLSIRKNMALFOQLTCLPIID 480
QY 481 NLKANYINKQEHDIKQKQIPLQARELIDTILVKGNAANIIFKNCLEIDSTLYKXLF 540
DB 481 NLKANYINKQEHDIKQKQIPLQARELIDTILVKGNAANIIFKNCLEIDSTLYKXLF 540
QY 541 VDKNMKXITPTEDVSGLSLEQRLRLQERTCKVCMDEKVEVVFIPCGHLVVCQCAPSLR 600
DB 541 VDKNMKXITPTEDVSGLSLEQRLRLQERTCKVCMDEKVEVVFIPCGHLVVCQCAPSLR 600
QY 599 LKCPICRGIIKGTVRTPLS 618
DB 599 LKCPICRGIIKGTVRTPLS 618

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RESULT 10
PCT-US96-12860-14
; Sequence 14, Application PC/TUS9612860
; GENERAL INFORMATION:
; APPLICANT: TULARIK, INC.
; TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOEBACH, TEST, ALBRITTON & HERBERT

STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/12860
FILING DATE: 06 AUG 1996
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: U.S. Serial Nos. 08/512,946 & 08/569,749
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Brezner, David J.
REGISTRATION NUMBER: 24,774
REFERENCE/DOCKET NUMBER: A-62464/DJB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415)781-1989
TELEFAX: (415)398-3249
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 612 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-12860-14

Query Match 83.2%; Score 2728; DB 5; length 612;

Best Local Similarity 83.4%; Pred. No. 6.2e-255;
Matches 517; Conservative 45; Mismatches 48; Indels 10; Gaps 6;

1 MHKTASQRLFPSPSYONIKSIMESTLSDWTNSKQKMYDFSCELYRMSTYSPAGV 60
1 MDKTVSQRIGQGLHQLKRIKIMKSTLISNWKSEBKMDFSCELYRMSTYSPAGV 60
61 PVSRSLARAGFYTGVDKVCFCGGLMDNWKLGDSPIQKHQLYPSCSFIONLVAS 120
61 PVSRSLARAGFYTGVDKVCFCGGLMDNWKLGDSPIQKHQLYPSCSFIONLVAS 120
61 PVSRSLARAGFYTGVDKVCFCGGLMDNWKLGDSPIQKHQLYPSCSFIONLVAS 120
121 LGSTSKNTSPMNSFAHSLPTLHSSLSFGSYSSLSNPPLNSRAVEDISSRTNPYSYA 180
121 LGSTSKNTSPMNSFAHSLPTLHSSLSFGSYSSLSNPPLNSRAVEDISSRTNPYSYA 180
121 LGSTSKNTSPMNSFAHSLPTLHSSLSFGSYSSLSNPPLNSRAVEDISSRTNPYSYA 180
121 LGSTSKNTSPMNSFAHSLPTLHSSLSFGSYSSLSNPPLNSRAVEDISSRTNPYSYA 180
181 MSTEARFLTYHMPPLTFLSPSLARAGFYIIGPDRAVACFACGKLSNWEPKDAMSEH 240
174 MSTEARFLTYHMPPLTFLSPSLARAGFYIIGPDRAVACFACGKLSNWEPKDAMSEH 233
241 RRHFPNCPFLNLSLETFLRFSISNLSMOTHAARMRTFMWPSVVPQPEQLASAGFYVGR 300
234 RRHFPNCPFLNLSLETFLRFSISNLSMOTHAARMRTFMWPSVVPQPEQLASAGFYVGR 293
301 NNDVKKCFCCDGLRCWESGDDPWVEHAKWPRCEFLIRKMGQEFVDEIOGRYPHLLBOLL 360
294 NNDVKKCFCCDGLRCWESGDDPWVEHAKWPRCEFLIRKMGQEFVDEIOGRYPHLLBOLL 353
361 STSDTTGGENADP--PIIHFGGESSSEDAVMONTPVVKSALMGFNRLDVKQTVQSKIL 418
354 STSDTTGGENADPTEVTVHFGGEE--SSKDVVMSSTPVVKAALMGFSRSLVRQTVQROL 412
419 TTGENYKTVNDIVSALNAEDBEKBEKEKQAEEMASDDLILIRKRMALFOQLTCLVPLI 478
413 ATGENYKTVNDIVSALNAEDBEKBEKEKQAEEMASDDLILIRKRMALFOQLTCLVPLI 472
479 LDNLLKANVINKEHDIKQKQIPLQARELIDTILYKGNAAANFKNCLKEIDSTLYKN 538
473 LDNLLKASVITQKEHDIKQKQIPLQARELIDTILYKGNAAANFKNCLKEIDSTLYKN 532

539 LFVDMKMYIPIEDVSGSLSEQLRLQEBRTCKVCMDEKSVFIPCGHLVWQECAPS 598
533 LFVDMKMYIPIEDVSGSLSEQLRLQEBRTCKVCMDEKSVFIPCGHLVWQECAPS 592
599 LRKCPICRGILKGTVRTFLS 618
593 LRKCPICRGILKGTVRTFLS 612

RESULT 11

US-09-212-971-14
Sequence 14, Application US/09212971B
Patent No. 6107041

GENERAL INFORMATION:
APPLICANT: Korneluk, Robert G
APPLICANT: Mackenzie, Alexander E
APPLICANT: Liaton, Peter
APPLICANT: Baird, Stephen
APPLICANT: Tsang, Benjamin X
APPLICANT: Pratt, Christine

TITLE OF INVENTION: DETECTION AND MODULATION OF IABS AND
TITLE OF INVENTION: NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
TITLE OF INVENTION: DISEASE
FILE REFERENCE: 07891/009002

CURRENT APPLICATION NUMBER: US/09/212,971B
CURRENT FILING DATE: 1998-12-16
EARLIER APPLICATION NUMBER: 60/017,354
EARLIER FILING DATE: 1996-04-26
EARLIER APPLICATION NUMBER: 60/030,590
EARLIER FILING DATE: 1996-11-14
EARLIER APPLICATION NUMBER: 08/800,929
EARLIER FILING DATE: 1997-02-13

NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 14

LENGTH: 612
TYPE: PRT
ORGANISM: Mus musculus

US-09-212-971-14

Query Match 83.1%; Score 2724; DB 3; length 612;

Best Local Similarity 83.2%; Pred. No. 1.5e-254;
Matches 516; Conservative 46; Mismatches 48; Indels 10; Gaps 6;

1 MHKTASQRLFPSPSYONIKSIMESTLSDWTNSKQKMYDFSCELYRMSTYSPAGV 60
1 MDKTVSQRIGQGLHQLKRIKIMKSTLISNWKSEBKMDFSCELYRMSTYSPAGV 60
61 PVSRSLARAGFYTGVDKVCFCGGLMDNWKLGDSPIQKHQLYPSCSFIONLVAS 120
61 PVSRSLARAGFYTGVDKVCFCGGLMDNWKLGDSPIQKHQLYPSCSFIONLVAS 120
61 PVSRSLARAGFYTGVDKVCFCGGLMDNWKLGDSPIQKHQLYPSCSFIONLVAS 120
121 LGSTSKNTSPMNSFAHSLPTLHSSLSFGSYSSLSNPPLNSRAVEDISSRTNPYSYA 180
121 LGSTSKNTSPMNSFAHSLPTLHSSLSFGSYSSLSNPPLNSRAVEDISSRTNPYSYA 180
121 LGSTSKNTSPMNSFAHSLPTLHSSLSFGSYSSLSNPPLNSRAVEDISSRTNPYSYA 180
121 LGSTSKNTSPMNSFAHSLPTLHSSLSFGSYSSLSNPPLNSRAVEDISSRTNPYSYA 180
181 MSTEARFLTYHMPPLTFLSPSLARAGFYIIGPDRAVACFACGKLSNWEPKDAMSEH 240
174 MSTEARFLTYHMPPLTFLSPSLARAGFYIIGPDRAVACFACGKLSNWEPKDAMSEH 233
241 RRHFPNCPFLNLSLETFLRFSISNLSMOTHAARMRTFMWPSVVPQPEQLASAGFYVGR 300
234 RRHFPNCPFLNLSLETFLRFSISNLSMOTHAARMRTFMWPSVVPQPEQLASAGFYVGR 293
301 NNDVKKCFCCDGLRCWESGDDPWVEHAKWPRCEFLIRKMGQEFVDEIOGRYPHLLBOLL 360
294 NNDVKKCFCCDGLRCWESGDDPWVEHAKWPRCEFLIRKMGQEFVDEIOGRYPHLLBOLL 353
361 STSDTTGGENADP--PIIHFGGESSSEDAVMONTPVVKSALMGFNRLDVKQTVQSKIL 418
354 STSDTTGGENADPTEVTVHFGGEE--SSKDVVMSSTPVVKAALMGFSRSLVRQTVQROL 412
419 TTGENYKTVNDIVSALNAEDBEKBEKEKQAEEMASDDLILIRKRMALFOQLTCLVPLI 478

Db 413 ATGENYRTVNDIVSLNADDEREEREKQTEEMASGDLIRKNRMALFOOLTHVLP 472
Qy 479 LDNLKANKVINKOEHDIIKOKTOIPLQARELIDTIIYKNAANIFKNCLEIDSTLYN 538
Db 473 LDNLKASVITKOEHDIIKOKTOIPLQARELIDTIIYKNAANIFKNCLEIDSTLYN 532
Qy 539 LFDKXMKYIPTEDVSGLSLEBQRLQEBRTCKVCMDEVSVPFPCGHLVVCQECAPS 598
Db 533 LFEVKMKYIPTEDVSGLSLEBQRLQEBRTCKVCMDEVSVPFPCGHLVVCQECAPS 592
Qy 599 LRKPCIRGIIKGTVRTFLS 618
Db 593 LRKPCIRGIIKGTVRTFLS 612

RESULT 12

US-08-800-929A-14
Sequence 14, Application US/08800929A
Patent No. 6133437

GENERAL INFORMATION:
APPLICANT: Korneluk, Robert G
APPLICANT: Mackenzie, Alexander E
APPLICANT: Liston, Peter
APPLICANT: Baird, Stephen
APPLICANT: Tsang, Benjamin K
APPLICANT: Pratt, Christine
TITLE OF INVENTION: DETECTION AND MODULATION OF
TITLE OF INVENTION: IAPS AND NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Clark & Elbing LLP
STREET: 176 Federal Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/800,929A
FILING DATE: 13-FEB-1997
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/030,590
FILING DATE: 14-NOV-1996
APPLICATION NUMBER: 60/017,354
FILING DATE: 26-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Bleker-Brady, Kristina
REGISTRATION NUMBER:
REFERENCE/DOCKET NUMBER: 07891/009001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-428-0200
TELEFAX: 617-428-7045
TELEX:
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 612 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-800-929A-14

Query Match 83.1%; Score 2724; DB 3; Length 612;
Best Local Similarity 83.2%; Pred. No. 1.5e-254;
Matches 516; Conservative 46; Mismatches 48; Indels 10; Gaps 6;

Qy 1 MHKTASORLFPQSPYONIKSIMEDSTISDWTNSNKKQKYDPSCELYRMSTYSTPAGV 60
Db 1 MDKTASORLFGGTLHQKLRIMEXSTILSNWTRESERKQKFDPSCELYRMSTYSAFPGV 60
Qy 61 PVSESLARAGFYTVGVNDKVCCECCGMLDNWKLGDSPIOKKOLYSCSFQNLVSAS 120
Db 61 PVSESLARAGFYTVGVNDKVCCECCGMLDNWKLGDSPFVKRQFYSCSFVQTLASAS 120
Qy 121 LGSTSNKTSFMRNSFAHSLSPTLHSSLSFGSYSSLPNPLNSRAVEDISSRTNPYSYA 180
Db 121 LGSPSNKTSFMRNSFAHSLSP-TLR----GGHSNLCSSPLNSRAVEDP-SSMDPCSYA 173
Qy 181 MSTERARFLTYHMFPLTFLSPSEIARAGFYIIGPDRAVACFACGKLSNMBPXDASEH 240
Db 174 MSTERARFLTYSMWPLSLSPAEIARAGFYIIGPDRAVACFACGKLSNMBPXDASEH 233
Qy 241 RHPFNCPLFENSLTLRPSISNLSMOTAAARKTMTWPSVPVQBPQLASAGFYVGR 300
Db 234 RHPFNCPLFENSLTLRPSISNLSMOTSAARLTFLYWPSPVQBPQLASAGFYVDR 293
Qy 301 NDDVKCFCCDGLRCWESGDDPWVEHAKMPRCEFLINKGQEFVDEIQRYPHLEQL 360
Db 294 NDDVKCFCCDGLRCWEPDPPWEHAKMPRCEFLINKGQEFVDEIQARYPHLEQL 353
Qy 361 STSDTTEENADP--PIIHGPGSSSEDAVMMNTPVYKSALEMGNRLVKTVOGKITL 418
Db 354 STSDTTEENADPTEVTHFGPG-SSKDVMMSTPVYKSALEMFSHSLVKTVOGKITL 412
Qy 419 TTGENYRTVNDIVSLNADDEREEREKQTEEMASGDLIRKNRMALFOOLTHVLP 478
Db 413 ATGENYRTVNDIVSLNADDEREEREKQTEEMASGDLIRKNRMALFOOLTHVLP 472
Qy 479 LDNLKANKVINKOEHDIIKOKTOIPLQARELIDTIIYKNAANIFKNCLEIDSTLYN 538
Db 473 LDNLKASVITKOEHDIIKOKTOIPLQARELIDTIIYKNAANIFKNCLEIDSTLYN 532
Qy 539 LFDKXMKYIPTEDVSGLSLEBQRLQEBRTCKVCMDEVSVPFPCGHLVVCQECAPS 598
Db 533 LFEVKMKYIPTEDVSGLSLEBQRLQEBRTCKVCMDEVSVPFPCGHLVVCQECAPS 592
Qy 599 LRKPCIRGIIKGTVRTFLS 618
Db 593 LRKPCIRGIIKGTVRTFLS 612

RESULT 13

US-09-617-053A-14
Sequence 14, Application US/09617053A
Patent No. 6300492

GENERAL INFORMATION:
APPLICANT: Korneluk, Robert G
APPLICANT: Mackenzie, Alexander E
APPLICANT: Liston, Peter
APPLICANT: Baird, Stephen
APPLICANT: Tsang, Benjamin K
APPLICANT: Pratt, Christine
TITLE OF INVENTION: DETECTION AND MODULATION OF IAPS AND
TITLE OF INVENTION: NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
NUMBER OF SEQUENCES: 17
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/617,053A
FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: US 08/800,929
PRIOR FILING DATE: 1997-02-13
NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 14
LENGTH: 612
TYPE: PRT
ORGANISM: Mus musculus
US-09-617-053A-14

Query Match 83.1%; Score 2724; DB 4; Length 612;

Best Local Similarity 83.2%; Pred. No. 1.5e-254;
Matches 516; Conservative 46; Mismatches 48; Indels 10; Gaps 6;

QY 1 MEKTAQRLPFPSPYONIKSIMEDSTIISDMTNSNKKQKYDSCELYRMSTSTPAGV 60
Db 1 MDKTSQRLQGGTHQKIKRIMEXSTIISNWKSEERKMKFDFSCELYRMSTSTPAGV 60
QY 61 PVSESLARAGFYTGVDNKKVCCCGGLMDNMLGDSPIQKQKQLYPSCSTPQNTVSAS 120
Db 61 PVSESLARAGFYTGVDNKKVCCCGGLMDNMLGDSPIQKQKQLYPSCSTPQNTVSAS 120
QY 121 LGSTKNTSPMRNSFAHSISPTLHSSLSFGSYSLSPNPLNSRAVEDISSRTNPYSYA 180
Db 121 LGSTKNTSPMRNSFAHSISPTLHSSLSFGSYSLSPNPLNSRAVEDISSRTNPYSYA 180
QY 121 LQSPKMSVKSRAHS-SF-LER- - - -GGHSHNLCSSPLNSRAVEDF-SSRMDPCSYA 173
Db 121 LQSPKMSVKSRAHS-SF-LER- - - -GGHSHNLCSSPLNSRAVEDF-SSRMDPCSYA 173
QY 181 MSTEERFLTYHMMPLTFLSPSEIARAGFYIIGPDRAVA:FCACGKLSNMBEPDAMSEH 240
Db 174 MSTEERFLTYHMMPLTFLSPSEIARAGFYIIGPDRAVA:FCACGKLSNMBEPDAMSEH 233
QY 241 RRHFNCPLENSLETIRFSISNLSMOTHAARMTFMWISSVPVQPEQLASAGFYVGR 300
Db 234 RRHFNCPLENSLETIRFSISNLSMOTHAARMTFMWISSVPVQPEQLASAGFYVGR 293
QY 301 NDDVACFCGCCGGLRCWESGDDPVWEHAKMPPRCBFLIRMGQEFVDSIQRYPHLEQL 360
Db 294 NDDVACFCGCCGGLRCWESGDDPVWEHAKMPPRCBFLIRMGQEFVDSIQRYPHLEQL 353
QY 361 STSDTGEENADP-PIIHFGPGESSSEDAVMNMTPVVKSALFEMFNRLVQTVOSKIL 418
Db 354 STSDTGEENADPTEVTHFGPGE-SSKDVMMSTPVVKAALFEMFSRLVQTVORQIL 412
QY 419 TTGEYKTVNDIVSALLNAEDEKKEEKEKQAEASDLSLRKNMALFOQLTCLPLI 478
Db 413 ATGENYRTVNDIVSALLNAEDEREEKEKQTEEMASGDLJLRKNMALFOQLTCLPLI 472
QY 479 LDNLKANKVINKQEHDIIOKTOQLPQARELIDTILVKGNAANIFKNCLKEIDSTLYKN 538
Db 473 LDNLKANKVINKQEHDIIOKTOQLPQARELIDTILVKGNAANIFKNCLKEIDSTLYKN 532
QY 539 LFVDKMKYIPTEDVSGLSLEBQRLQEBRTKVCMDKEVSVFIPCGHLVVCQCAPS 598
Db 533 LFVDKMKYIPTEDVSGLSLEBQRLQEBRTKVCMDKEVSVFIPCGHLVVCQCAPS 592
QY 599 LRKCPICRGIIKGTVPFLS 618
Db 593 LRKCPICRGIIKGTVPFLS 612

RESULT 14
US-09-201-936-42
; Sequence 42, Application US/09201936
; Patent No. 6541457
; GENERAL INFORMATION:
; APPLICANT: Korneluk, Robert G.
; APPLICANT: Mackenzie, Alexander E.
; APPLICANT: Baird, Stephen
; APPLICANT: Liston, Peter
; TITLE OF INVENTION: MAMMALIAN IAP GENE FAMILY, PRIMERS,
; TITLE OF INVENTION: PROBES, AND DETECTION METHODS
; FILE REFERENCE: 07891/003003
; CURRENT APPLICATION NUMBER: US/09/201,936
; EARLIER FILING DATE: 1998-12-01
; EARLIER APPLICATION NUMBER: PCT/IB96/01022
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: PCT/IB96/01022
; EARLIER FILING DATE: 1996-08-05
; EARLIER APPLICATION NUMBER: 08/576,956
; EARLIER FILING DATE: 1995-12-22
; EARLIER APPLICATION NUMBER: 08/511,485
; EARLIER FILING DATE: 1995-08-04
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 42

LENGTH: 591
; TYPE: PRT
; ORGANISM: Mus musculus
; US-09-201-936-42

Query Match 81.0%; Score 2654; DB 4; Length 591;
Best Local Similarity 83.8%; Pred. No. 8.4e-248;
Matches 502; Conservative 44; Mismatches 43; Indels 10; Gaps 6;

QY 22 MEDSTIISMTNSNKKQKYDSCELYRMSTSTPAGVPVSESLARAGFYTGVDKV 81
Db 1 MEKSTIISMTNSNKKQKYDSCELYRMSTSTPAGVPVSESLARAGFYTGVDKV 60
QY 82 KCFCGGLMDNMLGDSPIQKQKQLYPSCSTPQNTVSASISLSTSKTSPMNSFAHSLSP 141
Db 61 KCFCGGLMDNMLGDSPIQKQKQLYPSCSTPQNTVSASISLSTSKTSPMNSFAHSLSP 119
QY 142 TLEHSLFSGSYSLSPNPLNSRAVEDISSRTNPYSYAMSTEERARFLTYHMMPLTFLSP 201
Db 120 TLEHSLFSGSYSLSPNPLNSRAVEDISSRTNPYSYAMSTEERARFLTYHMMPLTFLSP 173
QY 202 SELARAGFYIIGPDRAVA:FCACGKLSNMBEPDAMSEHRRHFNCPLENSLETIRFSI 261
Db 174 SELARAGFYIIGPDRAVA:FCACGKLSNMBEPDAMSEHRRHFNCPLENSLETIRFSI 233
QY 262 SNLSMOTHAARMTFMWISSVPVQPEQLASAGFYVGRNDVKKCCDGLRCWESGDD 321
Db 234 SNLSMOTHAARMTFMWISSVPVQPEQLASAGFYVGRNDVKKCCDGLRCWESGDD 293
QY 322 PVWEHAKMPPRCBFLIRMGQEFVDSIQRYPHLEQLSTSDTGEENADP-PIIHFG 379
Db 294 PVWEHAKMPPRCBFLIRMGQEFVDSIQRYPHLEQLSTSDTGEENADPTEVTHFG 353
QY 380 PGESSSEDAVMNMTPVVKSALFEMFNRLVQTVOSKILTTGEYKTVNDIVSALLNAED 439
Db 354 PGE-SSKDVMMSTPVVKAALFEMFSRLVQTVORQILATGENYRTVNDIVSALLNAED 412
QY 440 EKREERKEQAEASDLSLRKNMALFOQLTCLPLIDNLKANKVINKQEHDIIOK 499
Db 413 EKREERKEQAEASDLSLRKNMALFOQLTCLPLIDNLKANKVINKQEHDIIOK 472
QY 500 TQIPQARELIDTILVKGNAANIFKNCLKEIDSTLYKNLFVDKMKYIPTEDVSGLSLE 559
Db 473 TQIPQARELIDTILVKGNAANIFKNCLKEIDSTLYKNLFVDKMKYIPTEDVSGLSLE 532
QY 560 EQLRLQEBRTKVCMDKEVSVFIPCGHLVVCQCAPSLRKCPICRGIIKGTVPFLS 618
Db 533 EQLRLQEBRTKVCMDKEVSVFIPCGHLVVCQCAPSLRKCPICRGIIKGTVPFLS 591

RESULT 15
US-08-569-749-4
; Sequence 4, Application US/08569749
; Patent No. 6187557
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Goeddel, David V
; TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSER: FISHER, HOBBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/569,749

FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Brezner, David J.
REGISTRATION NUMBER: 24,774
REFERENCE/DOCKET NUMBER: A-62464/DJB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 761-1989
TELEFAX: (415) 398-3249
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 604 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-569-749-4

Query Match 71.8%; Score 2353; DB 3; Length 604;
Best Local Similarity 72.8%; Pred. No. 1.2e-218;
Matches 440; Conservative 71; Mismatches 87; Indels 6; Gaps 5;

QY 20 SIMEDSTLSDWTNS-NKQMKYDFSCELYMSTSTFFAGVPVSESLARAGFYTGYN 78
DB 2 NIVENSIFSLNLMKSNANTFELKDYLSCELYRMSTSTFFAGVPVSESLARAGFYTGYN 61
QY 79 DKVACFCGGLMDNWKLDSPDPIQKHQOLYPSGSPIONLVA-SLGSSTKNTSP--MRNSF 135
DB 62 DKVACFCGGLMDNWKLDSPDPIQKHQOLYPSGSPIONLVA-SLGSSTKNTSP--MRNSF 120
QY 136 AHSLSPTLEHSSLSFGSYSLSPNPLNSRAVEDISSRTNPYSAMSTEERFLTYHMP 195
DB 121 THSLPPTGENSGYFRGYSNSPSNPNVSRANDFSALMRSSYHCAMNNENARLLTFQTPW 180
QY 196 LTFPSPTDLAKAGFYIIGPDRAVACGAGKLSNWEKDNAMSEHRRHFPNCPLENSL- 254
DB 181 LTFPSPTDLAKAGFYIIGPDRAVACGAGKLSNWEKDNAMSEHRRHFPNCPLENSL- 240
QY 255 ETLRFSTLSLMTQTHAAMRTFMYPSSVPVQPEOLASAGFYVGRNDVKKFCDDGLR 314
DB 241 DTSRYTNSLMTQTHAAMRTFMYPSSVPVQPEOLASAGFYVGRNDVKKFCDDGLR 300
QY 315 CWESGDDPWVHAQKMPRCFELIRMGQEFVDEIQGRYPHLEQLISTSDTGEENADPP 374
DB 301 CWESGDDPWVHAQKMPRCFELIRMGQEFVDEIQGRYPHLEQLISTSDTGEENADPP 360
QY 375 IIRHGPSSSEDAVMNTPPVKSALEMGFNRDLVKQVCSKILTTGENTKYVNDIVSAL 434
DB 361 IIRHGPSSSEDAVMNTPPVKSALEMGFNRDLVKQVCSKILTTGENTKYVNDIVSAL 420
QY 435 LNADEKREERKEKQAEEMASDLSLRKNRMALFOQLTCVLPILDNLKANVINKQEH 494
DB 421 LNADEKREERKEKQAEEMASDLSLRKNRMALFOQLTCVLPILDNLKANVINKQEH 480
QY 495 IIRKQTOPLQAEELIDTILVKNAAANIFKQCLKEIDSTLYKNLFVDKMKYIPTEDVS 554
DB 481 IIRKQTOPLQAEELIDTILVKNAAANIFKQCLKEIDSTLYKNLFVDKMKYIPTEDVS 540
QY 555 GLSLEQLRLQERTCKVCMDEKSVVFIPQGLVVCQECAPSLRKCPICRGIIGTVR 614
DB 541 GLSLEQLRLQERTCKVCMDEKSVVFIPQGLVVCQECAPSLRKCPICRGIIGTVR 600
QY 615 TFLS 618
DB 601 TFLS 604

Search completed: December 4, 2003, 17:09:32
Job time : 37.2613 secs

GenCore version 5.1.6
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OM protein - protein search, using SW model

Run on: December 4, 2003, 16:55:06 ; Search time 90.9369 Seconds
(without alignments)
1263.930 Million cell updates/sec

Title: US-08-569-749-2
Perfect score: 3277
Sequence: 1 MHKTASQRLFPGPSYQNTKS.....LRKPCIRGLIKGTVPFLS 618

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 684280 seqs, 185983659 residues

Total number of hits satisfying chosen parameters: 684280

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA:*

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3:	/cgn2_6/ptodata/2/pubppaa/US06_NEW_PUB.dep:*
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18:	/cgn2_6/ptodata/2/pubppaa/US60_PUBCOMB.dep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	3277	100.0	618	12	US-10-232-286-2
2	3277	100.0	618	15	US-10-153-668-338
3	3277	100.0	618	15	US-10-207-655-200
4	3247	99.1	618	10	US-09-974-592-8
5	3247	99.1	618	10	US-09-201-936-8
6	2728	83.2	612	12	US-10-232-286-14
7	2724	83.1	612	10	US-09-974-592-14
8	2654	81.0	591	10	US-09-201-936-42
9	2353	71.8	604	12	US-10-232-286-4
10	2353	71.8	604	12	US-10-141-618-6
11	2332	71.2	604	10	US-09-974-592-6
12	2332	71.2	604	10	US-09-201-936-6
13	2326	71.0	438	8	US-08-464-588-2
14	2326	71.0	438	15	US-10-323-643-2
15	2172	66.3	600	10	US-09-974-592-12

16	2152	65.7	602	10	US-09-201-936-40	Sequence 40, Appl
17	1678	51.2	1140	12	US-10-353-461-8	Sequence 8, Appl
18	1593	48.6	306	9	US-09-778-927A-62	Sequence 62, Appl
19	909	27.7	497	10	US-09-974-592-4	Sequence 4, Appl
20	909	27.7	497	10	US-09-201-936-4	Sequence 4, Appl
21	874	26.7	496	10	US-09-974-592-10	Sequence 10, Appl
22	874	26.7	496	10	US-09-201-936-10	Sequence 10, Appl
23	736.5	22.5	498	10	US-09-201-936-13	Sequence 13, Appl
24	539	16.4	108	15	US-10-228-897-7	Sequence 7, Appl
25	533.5	16.3	278	10	US-09-964-899-39	Sequence 39, Appl
26	513	15.7	268	15	US-10-323-643-10	Sequence 10, Appl
27	500.5	15.3	346	15	US-10-041-859-2	Sequence 2, Appl
28	462.5	14.1	280	15	US-10-244-586-3	Sequence 3, Appl
29	462	14.1	1403	8	US-08-913-322-22	Sequence 22, Appl
30	462	14.1	1403	8	US-08-913-322-24	Sequence 24, Appl
31	461	14.1	1403	15	US-10-285-408-1	Sequence 1, Appl
32	461	14.1	275	10	US-09-201-936-12	Sequence 12, Appl
33	461	14.1	275	15	US-10-323-643-9	Sequence 9, Appl
34	460.5	14.1	298	15	US-10-235-026-2	Sequence 2, Appl
35	457	13.9	355	12	US-10-203-708-44	Sequence 44, Appl
36	453	13.8	92	12	US-10-314-506-29	Sequence 29, Appl
37	453	13.8	92	14	US-10-014-269-29	Sequence 29, Appl
38	453	13.8	92	14	US-10-002-974-29	Sequence 29, Appl
39	431	13.2	89	9	US-09-728-721-32	Sequence 32, Appl
40	431	13.2	89	14	US-10-105-931-32	Sequence 32, Appl
41	431	13.2	89	14	US-10-118-984-32	Sequence 32, Appl
42	431	13.2	89	15	US-10-295-981-32	Sequence 32, Appl
43	419.5	12.8	172	15	US-10-041-859-8	Sequence 8, Appl
44	418.5	12.8	172	15	US-10-041-859-12	Sequence 12, Appl
45	395.5	12.1	172	15	US-10-041-859-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1
US-10-232-286-2
; Sequence 2, Application US/10232286
; Publication No. US20030143579A1
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; TITLE OF INVENTION: Goedel, David V
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/232,286
; FILING DATE: 30-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/569,749
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Brezner, David J.
; REGISTRATION NUMBER: 24,774
; REFERENCE/DOCKET NUMBER: A-62464/DJB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415)781-1989
; TELEFAX: (415)398-3249
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 618 amino acids

TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-232-266-2

Query Match 100.0%; Score 3277; DB 12; Length 618;
Best Local Similarity 100.0%; Pred. No. 6e-281;
Matches 618; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MHKTASQRLFPGPSYONIKSIMEDSTILSDWTNSNKKYDFSCELYRMSTYSPFAGV 60
DB 1 MHKTASQRLFPGPSYONIKSIMEDSTILSDWTNSNKKYDFSCELYRMSTYSPFAGV 60
QY 61 PVSESLARAGFYTYGVNDKYKFCGGLMDNWKLGDSPIQKHQLYPSCSFIONLVAS 120
DB 61 PVSESLARAGFYTYGVNDKYKFCGGLMDNWKLGDSPIQKHQLYPSCSFIONLVAS 120
QY 121 LGSTSKNTSPMKNSPAHSLSPTLEHSSLFSGSYSLSPNPLNSRAVEDISSRTNPYSYA 180
DB 121 LGSTSKNTSPMKNSPAHSLSPTLEHSSLFSGSYSLSPNPLNSRAVEDISSRTNPYSYA 180
QY 181 MSTEARFLTYHMPFLTFLSPSELARAGFYTYIGPDRVACFACGGLSNWEPKODAMSEH 240
DB 181 MSTEARFLTYHMPFLTFLSPSELARAGFYTYIGPDRVACFACGGLSNWEPKODAMSEH 240
QY 241 RRHFPNCPFLNLSLETFLRFSISNLSMOTHAARMRTFMYPSSVPVQPEQLASAGFYTYGR 300
DB 241 RRHFPNCPFLNLSLETFLRFSISNLSMOTHAARMRTFMYPSSVPVQPEQLASAGFYTYGR 300
QY 301 NNDVKCFCCDGLRCWESGDDPWVEHAKMFRCEFLIRNKQGEFVDEIOGRYPHLLBOLL 360
DB 301 NNDVKCFCCDGLRCWESGDDPWVEHAKMFRCEFLIRNKQGEFVDEIOGRYPHLLBOLL 360
QY 361 STSDTTGENADPPIIHFGPGESSSEDVAMNTPVKSALEMGNRDLYKQTVOSKILTT 420
DB 361 STSDTTGENADPPIIHFGPGESSSEDVAMNTPVKSALEMGNRDLYKQTVOSKILTT 420
QY 421 GENYKTVDIVSALLNAEDEKREBEKEKQAEEMASDDLILIRKNRMALFQQLTCVLPILD 480
DB 421 GENYKTVDIVSALLNAEDEKREBEKEKQAEEMASDDLILIRKNRMALFQQLTCVLPILD 480
QY 481 NLKANVINKEHDIKQKTOIPLQARELIDTILYKGNAAANIFKNCLKEIDSTLYKNLF 540
DB 481 NLKANVINKEHDIKQKTOIPLQARELIDTILYKGNAAANIFKNCLKEIDSTLYKNLF 540
QY 541 VDKNMKYIPTEDVSGLSLEBQLRLQEBRTCKVCMDEKSVVFIPCGHLVVCQECAPSRL 600
DB 541 VDKNMKYIPTEDVSGLSLEBQLRLQEBRTCKVCMDEKSVVFIPCGHLVVCQECAPSRL 600
QY 601 KCPICRGIIKGTVRTFLS 618
DB 601 KCPICRGIIKGTVRTFLS 618
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RESULT 2

US-10-153-668-338
Sequence 338, Application US/10153668
Publication No. US20030092616A1
GENERAL INFORMATION:
APPLICANT: HONDA, Goichi
APPLICANT: MATSUDA, Akio
APPLICANT: MURAMATSU, Shuji
APPLICANT: ISHIZAMA, Kenya
TITLE OF INVENTION: STAT6 Activating Gene
FILE REFERENCE: 1254-0207P
CURRENT APPLICATION NUMBER: US/10/153,668
CURRENT FILING DATE: 2002-05-24
PRIOR APPLICATION NUMBER: US 60/293,172
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/316,031
PRIOR FILING DATE: 2001-08-31

PRIOR APPLICATION NUMBER: US 60/328,403
PRIOR FILING DATE: 2001-10-12
PRIOR APPLICATION NUMBER: JP 2001-157043
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: JP 2001-260681
PRIOR FILING DATE: 2001-08-30
PRIOR APPLICATION NUMBER: JP 2001-313175
PRIOR FILING DATE: 2001-10-10
NUMBER OF SEQ ID NOS: 488
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 338
LENGTH: 618
TYPE: PRT
ORGANISM: Homo sapiens
US-10-153-668-338

Query Match 100.0%; Score 3277; DB 15; Length 618;
Best Local Similarity 100.0%; Pred. No. 6e-281;
Matches 618; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MHKTASQRLFPGPSYONIKSIMEDSTILSDWTNSNKKYDFSCELYRMSTYSPFAGV 60
DB 1 MHKTASQRLFPGPSYONIKSIMEDSTILSDWTNSNKKYDFSCELYRMSTYSPFAGV 60
QY 61 PVSESLARAGFYTYGVNDKYKFCGGLMDNWKLGDSPIQKHQLYPSCSFIONLVAS 120
DB 61 PVSESLARAGFYTYGVNDKYKFCGGLMDNWKLGDSPIQKHQLYPSCSFIONLVAS 120
QY 121 LGSTSKNTSPMKNSPAHSLSPTLEHSSLFSGSYSLSPNPLNSRAVEDISSRTNPYSYA 180
DB 121 LGSTSKNTSPMKNSPAHSLSPTLEHSSLFSGSYSLSPNPLNSRAVEDISSRTNPYSYA 180
QY 181 MSTEARFLTYHMPFLTFLSPSELARAGFYTYIGPDRVACFACGGLSNWEPKODAMSEH 240
DB 181 MSTEARFLTYHMPFLTFLSPSELARAGFYTYIGPDRVACFACGGLSNWEPKODAMSEH 240
QY 241 RRHFPNCPFLNLSLETFLRFSISNLSMOTHAARMRTFMYPSSVPVQPEQLASAGFYTYGR 300
DB 241 RRHFPNCPFLNLSLETFLRFSISNLSMOTHAARMRTFMYPSSVPVQPEQLASAGFYTYGR 300
QY 301 NNDVKCFCCDGLRCWESGDDPWVEHAKMFRCEFLIRNKQGEFVDEIOGRYPHLLBOLL 360
DB 301 NNDVKCFCCDGLRCWESGDDPWVEHAKMFRCEFLIRNKQGEFVDEIOGRYPHLLBOLL 360
QY 361 STSDTTGENADPPIIHFGPGESSSEDVAMNTPVKSALEMGNRDLYKQTVOSKILTT 420
DB 361 STSDTTGENADPPIIHFGPGESSSEDVAMNTPVKSALEMGNRDLYKQTVOSKILTT 420
QY 421 GENYKTVDIVSALLNAEDEKREBEKEKQAEEMASDDLILIRKNRMALFQQLTCVLPILD 480
DB 421 GENYKTVDIVSALLNAEDEKREBEKEKQAEEMASDDLILIRKNRMALFQQLTCVLPILD 480
QY 481 NLKANVINKEHDIKQKTOIPLQARELIDTILYKGNAAANIFKNCLKEIDSTLYKNLF 540
DB 481 NLKANVINKEHDIKQKTOIPLQARELIDTILYKGNAAANIFKNCLKEIDSTLYKNLF 540
QY 541 VDKNMKYIPTEDVSGLSLEBQLRLQEBRTCKVCMDEKSVVFIPCGHLVVCQECAPSRL 600
DB 541 VDKNMKYIPTEDVSGLSLEBQLRLQEBRTCKVCMDEKSVVFIPCGHLVVCQECAPSRL 600
QY 601 KCPICRGIIKGTVRTFLS 618
DB 601 KCPICRGIIKGTVRTFLS 618
```

RESULT 3

US-10-207-655-200
Sequence 200, Application US/10207655
Publication No. US20030118592A1
GENERAL INFORMATION:
APPLICANT: Ledbetter, Jeffrey A.
APPLICANT: Hayden-Ledbetter, Martha S.
TITLE OF INVENTION: BINDING DOMAIN-IMMUNOGLOBULIN FUSION PROTEINS

```
FILE REFERENCE: 390069.401C1
CURRENT APPLICATION NUMBER: US/10/207,655
CURRENT FILING DATE: 2002-07-25
NUMBER OF SEQ ID NOS: 426
SOFTWARE: PatentIn version 3.0
SEQ ID NO 200
LENGTH: 618
TYPE: PRT
ORGANISM: Homo sapiens
US-10-207-655-200

Query Match      100.0%; Score 3277; DB 15; Length 618;
Best Local Similarity 100.0%; Pred. No. 66-281;
Matches 618; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MHKTAQRLEFPSPSYQNIKSIMEDSTILSDWTNSNKKQKMDPSCCLYRMSTYTFPAGV 60
DB 1 MHKTAQRLEFPSPSYQNIKSIMEDSTILSDWTNSNKKQKMDPSCCLYRMSTYTFPAGV 60
QY 61 PVSRSLARAGFYITGVNDKVKCFCCGMLDNMKLGDSPIQKHKOLYPSCSFIQNLVSAS 120
DB 61 PVSRSLARAGFYITGVNDKVKCFCCGMLDNMKLGDSPIQKHKOLYPSCSFIQNLVSAS 120
QY 121 LGSTSKNTSPMRNSFAHSLSPTEHSSLSFGSYSSLSPPNPLNSRAVEDISSRTNPYSYA 180
DB 121 LGSTSKNTSPMRNSFAHSLSPTEHSSLSFGSYSSLSPPNPLNSRAVEDISSRTNPYSYA 180
QY 181 MSTEARFLTYHMPPLTFLSPSELARAGFYITGPDRAVACFACGKLSNWEPKDAMSEH 240
DB 181 MSTEARFLTYHMPPLTFLSPSELARAGFYITGPDRAVACFACGKLSNWEPKDAMSEH 240
QY 241 RRRHFNCPFLNLSLETIRFSISNLSMOTHAARMRTFMYPSSVPVQPEQLASAGFYTVGR 300
DB 241 RRRHFNCPFLNLSLETIRFSISNLSMOTHAARMRTFMYPSSVPVQPEQLASAGFYTVGR 300
QY 301 NDDVCFCCDGGGLRCWESGDDPWVEHAKMFPRCBFLIRMKQEFVDEIQGRYPHLLQQL 360
DB 301 NDDVCFCCDGGGLRCWESGDDPWVEHAKMFPRCBFLIRMKQEFVDEIQGRYPHLLQQL 360
QY 361 STSDTGTGENADPPIIHFGPGESSSEDAVMNTPVYKSALIMGFNRDLVKQTVQSKILTT 420
DB 361 STSDTGTGENADPPIIHFGPGESSSEDAVMNTPVYKSALIMGFNRDLVKQTVQSKILTT 420
QY 421 GENYKTVDIVSALLNAEDKREKEKEKQAEEMASDDLSTLRKNMALFOQLTCLVPILD 480
DB 421 GENYKTVDIVSALLNAEDKREKEKEKQAEEMASDDLSTLRKNMALFOQLTCLVPILD 480
QY 481 NLTKANVINKQEHDIKQKTOIPLQARELIDTILVKGNAAANIFKNCLKEIDSTLYKNLF 540
DB 481 NLTKANVINKQEHDIKQKTOIPLQARELIDTILVKGNAAANIFKNCLKEIDSTLYKNLF 540
QY 541 VDKMKYIPTEDVSGLSLEQLRLQERTCKVCMDEKVSVFIPCGHLVVCQECAPSIR 600
DB 541 VDKMKYIPTEDVSGLSLEQLRLQERTCKVCMDEKVSVFIPCGHLVVCQECAPSIR 600
QY 601 KCPICRGIIKGTVRTFLS 618
DB 601 KCPICRGIIKGTVRTFLS 618

RESULT 4
US-09-974-592-8
Sequence 8, Application US/09974592
Patent No. US20020120121A1
GENERAL INFORMATION:
APPLICANT: Korneluk, Robert G
APPLICANT: Mackenzie, Alexander B
APPLICANT: Lileton, Peter
APPLICANT: Baird, Stephen
APPLICANT: Tsang, Benjamin K
APPLICANT: Pratt, Christine
TITLE OF INVENTION: DETECTION AND MODULATION OF IAPS AND
TITLE OF INVENTION: NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
```

```
TITLE OF INVENTION: DISEASE
FILE REFERENCE: 07891/009004
CURRENT APPLICATION NUMBER: US/09/974,592
CURRENT FILING DATE: 2001-10-09
PRIOR APPLICATION NUMBER: US 09/617,053
PRIOR FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: US 08/800,929
PRIOR FILING DATE: 1997-02-13
NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 8
LENGTH: 618
TYPE: PRT
ORGANISM: Homo sapiens
US-09-974-592-8

Query Match      99.1%; Score 3247; DB 10; Length 618;
Best Local Similarity 99.4%; Pred. No. 2.7e-278;
Matches 614; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 MHKTAQRLEFPSPSYQNIKSIMEDSTILSDWTNSNKKQKMDPSCCLYRMSTYTFPAGV 60
DB 1 MHKTAQRLEFPSPSYQNIKSIMEDSTILSDWTNSNKKQKMDPSCCLYRMSTYTFPAGV 60
QY 61 PVSRSLARAGFYITGVNDKVKCFCCGMLDNMKLGDSPIQKHKOLYPSCSFIQNLVSAS 120
DB 61 PVSRSLARAGFYITGVNDKVKCFCCGMLDNMKLGDSPIQKHKOLYPSCSFIQNLVSAS 120
QY 121 LGSTSKNTSPMRNSFAHSLSPTEHSSLSFGSYSSLSPPNPLNSRAVEDISSRTNPYSYA 180
DB 121 LGSTSKNTSPMRNSFAHSLSPTEHSSLSFGSYSSLSPPNPLNSRAVEDISSRTNPYSYA 180
QY 181 MSTEARFLTYHMPPLTFLSPSELARAGFYITGPDRAVACFACGKLSNWEPKDAMSEH 240
DB 181 MSTEARFLTYHMPPLTFLSPSELARAGFYITGPDRAVACFACGKLSNWEPKDAMSEH 240
QY 241 RRRHFNCPFLNLSLETIRFSISNLSMOTHAARMRTFMYPSSVPVQPEQLASAGFYTVGR 300
DB 241 RRRHFNCPFLNLSLETIRFSISNLSMOTHAARMRTFMYPSSVPVQPEQLASAGFYTVGR 300
QY 301 NDDVCFCCDGGGLRCWESGDDPWVEHAKMFPRCBFLIRMKQEFVDEIQGRYPHLLQQL 360
DB 301 NDDVCFCCDGGGLRCWESGDDPWVEHAKMFPRCBFLIRMKQEFVDEIQGRYPHLLQQL 360
QY 361 STSDTGTGENADPPIIHFGPGESSSEDAVMNTPVYKSALIMGFNRDLVKQTVQSKILTT 420
DB 361 STSDTGTGENADPPIIHFGPGESSSEDAVMNTPVYKSALIMGFNRDLVKQTVQSKILTT 420
QY 421 GENYKTVDIVSALLNAEDKREKEKEKQAEEMASDDLSTLRKNMALFOQLTCLVPILD 480
DB 421 GENYKTVDIVSALLNAEDKREKEKEKQAEEMASDDLSTLRKNMALFOQLTCLVPILD 480
QY 481 NLTKANVINKQEHDIKQKTOIPLQARELIDTILVKGNAAANIFKNCLKEIDSTLYKNLF 540
DB 481 NLTKANVINKQEHDIKQKTOIPLQARELIDTILVKGNAAANIFKNCLKEIDSTLYKNLF 540
QY 541 VDKMKYIPTEDVSGLSLEQLRLQERTCKVCMDEKVSVFIPCGHLVVCQECAPSIR 600
DB 541 VDKMKYIPTEDVSGLSLEQLRLQERTCKVCMDEKVSVFIPCGHLVVCQECAPSIR 600
QY 601 KCPICRGIIKGTVRTFLS 618
DB 601 KCPICRGIIKGTVRTFLS 618

RESULT 5
US-09-201-936-8
Sequence 8, Application US/09201936
Publication No. US20020187946A1
GENERAL INFORMATION:
APPLICANT: Korneluk, Robert G.
APPLICANT: Mackenzie, Alexander B.
APPLICANT: Baird, Stephen
```

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APPLICANT: Liston, Peter
TITLE OF INVENTION: MAMMALIAN IAP GENE FAMILY, PRIMERS,
FILE REFERENCE: 07891/003003
CURRENT APPLICATION NUMBER: US/09/201,936
EARLIER FILING DATE: 1998-12-01
EARLIER APPLICATION NUMBER: 09/011,356
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: PCT/IB96/01022
EARLIER FILING DATE: 1996-08-05
EARLIER APPLICATION NUMBER: 08/576,956
EARLIER FILING DATE: 1995-12-22
EARLIER APPLICATION NUMBER: 08/511,485
EARLIER FILING DATE: 1995-08-04
NUMBER OF SEQ ID NOS: 45
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO: 8
LENGTH: 618
TYPE: PRT
ORGANISM: Homo sapiens
US-09-201-936-8

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Query Match      99.1%; Score 3247; DB 10; Length 618;
Best Local Similarity 99.4%; Pred. No. 2.7e-278;
Matches 614; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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QY 1 MHKTASQRLPFGPSYONIKSIMEDSTILSDWTNSNKKQKTKDFSCCLYRMSTYSTPPAGV 60
DB 1 MHKTASQRLPFGPSYONIKSIMEDSTILSDWTNSNKKQKTKDFSCCLYRMSTYSTPPAGV 60
QY 61 PVSESLARAGFYTGVDKVKCFCCGMLDNWKLGDSPLOKHQOLYPSCSFIQNLVSAS 120
DB 61 PVSESLARAGFYTGVDKVKCFCCGMLDNWKLGDSPLOKHQOLYPSCSFIQNLVSAS 120
QY 121 LGSTSKNTSPMRNSFAHSLPTLEHSSLFSGSYSLSPNPLNSRAVEDISSRTNPYSYA 180
DB 121 LGSTSKNTSPMRNSFAHSLPTLEHSSLFSGSYSLSPNPLNSRAVEDISSRTNPYSYA 180
QY 181 MSTEERARFLTYHMMPLTFLSPSELARAGFYITGPDRAVACFACGGLSNWEPKODAMSEH 240
DB 181 MSTEERARFLTYHMMPLTFLSPSELARAGFYITGPDRAVACFACGGLSNWEPKODAMSEH 240
QY 241 RRHFPNCPFLNSLETFLRFSISNLSMOTHAARMRTMYWSSVPVQEQOLASAGFYTVGR 300
DB 241 RRHFPNCPFLNSLETFLRFSISNLSMOTHAARMRTMYWSSVPVQEQOLASAGFYTVGR 300
QY 301 NDDVKCFCCDGLRCWESGDDPWVEHAKWPRCEFLIRMGQEFVDEIQGRYPHLEQL 360
DB 301 NDDVKCFCCDGLRCWESGDDPWVEHAKWPRCEFLIRMGQEFVDEIQGRYPHLEQL 360
QY 361 STSDTTGEENADPPIIHFGPGSSSEDVAVMMNTPVYKSALEMGFNRDLVKQTVLSKILTT 420
DB 361 STSDTTGEENADPPIIHFGPGSSSEDVAVMMNTPVYKSALEMGFNRDLVKQTVLSKILTT 420
QY 421 GENYKTVNDIVSALLNAEDKREBEKEKQAEEMASDDLIRKNMALFOQLTCVLPILD 480
DB 421 GENYKTVNDIVSALLNAEDKREBEKEKQAEEMASDDLIRKNMALFOQLTCVLPILD 480
QY 481 NLKANYINKQEHDIKOKTOIPLQARELIDTILVGNAAANIFKNCLKEIDSTLYKNLF 540
DB 481 NLKANYINKQEHDIKOKTOIPLQARELIDTILVGNAAANIFKNCLKEIDSTLYKNLF 540
QY 541 VDKNMKTIPTEDVSGLSLEBOLRLQBERTCKVCMDEKESVVFIPCGHLVVCOCAPSLR 600
DB 541 VDKNMKTIPTEDVSGLSLEBOLRLQBERTCKVCMDEKESVVFIPCGHLVVCOCAPSLR 600
QY 601 KCPICRGIIKGTVRTPLS 618
DB 601 KCPICRGIIKGTVRTPLS 618

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RESULT 6
US-10-232-286-14

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Sequence 14, Application US/10232286
Publication No. US20030143579A1
GENERAL INFORMATION:
APPLICANT: Rothe, Mike
TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSER: FLEHR, HOBRACH, TEST, ALBRITTON & HERBERT
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/232,286
FILING DATE: 30-Aug-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/569,749
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Brezner, David J.
REGISTRATION NUMBER: 24,774
REFERENCE/DOCKET NUMBER: A-62464/DJB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415)781-1989
TELEFAX: (415)398-3249
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 612 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-10-232-286-14

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```

Query Match      83.2%; Score 2728; DB 12; Length 612;
Best Local Similarity 83.4%; Pred. No. 2.3e-232;
Matches 517; Conservative 45; Mismatches 48; Indels 10; Gaps 6;

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QY 1 MHKTASQRLPFGPSYONIKSIMEDSTILSDWTNSNKKQKTKDFSCCLYRMSTYSTPPAGV 60
DB 1 MHKTASQRLPFGPSYONIKSIMEDSTILSDWTNSNKKQKTKDFSCCLYRMSTYSTPPAGV 60
QY 61 PVSESLARAGFYTGVDKVKCFCCGMLDNWKLGDSPLOKHQOLYPSCSFIQNLVSAS 120
DB 61 PVSESLARAGFYTGVDKVKCFCCGMLDNWKLGDSPLOKHQOLYPSCSFIQNLVSAS 120
QY 121 LGSTSKNTSPMRNSFAHSLPTLEHSSLFSGSYSLSPNPLNSRAVEDISSRTNPYSYA 180
DB 121 LGSTSKNTSPMRNSFAHSLPTLEHSSLFSGSYSLSPNPLNSRAVEDISSRTNPYSYA 180
QY 181 MSTEERARFLTYHMMPLTFLSPSELARAGFYITGPDRAVACFACGGLSNWEPKODAMSEH 240
DB 181 MSTEERARFLTYHMMPLTFLSPSELARAGFYITGPDRAVACFACGGLSNWEPKODAMSEH 240
QY 241 RRHFPNCPFLNSLETFLRFSISNLSMOTHAARMRTMYWSSVPVQEQOLASAGFYTVGR 300
DB 241 RRHFPNCPFLNSLETFLRFSISNLSMOTHAARMRTMYWSSVPVQEQOLASAGFYTVGR 300
QY 301 NDDVKCFCCDGLRCWESGDDPWVEHAKWPRCEFLIRMGQEFVDEIQGRYPHLEQL 360
DB 301 NDDVKCFCCDGLRCWESGDDPWVEHAKWPRCEFLIRMGQEFVDEIQGRYPHLEQL 360
QY 361 STSDTTGEENADPPIIHFGPGSSSEDVAVMMNTPVYKSALEMGFNRDLVKQTVLSKILTT 420
DB 361 STSDTTGEENADPPIIHFGPGSSSEDVAVMMNTPVYKSALEMGFNRDLVKQTVLSKILTT 420

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Db 354 STSDTPEENADPTETVVFHFGPGE-SSSDVVMSTPVKAALEMGFSRSIVRQVQRQL 412
Qy 419 TTGERYKTVNDIVSALINAEDEREKEKEQAEMASDDSLIRKNRMALFQQLTCLVPI 478
Db 413 ATGENYRTVNDIVSVLNAEDEREKEKEQAEMASDDSLIRKNRMALFQQLTCLVPI 472
Qy 479 LDNLKAVINKOEHDIIKQKQIPLQARELIDTILVKGNAAANIFKNCLKEIDSTLYKN 538
Db 473 LDNLKASVITKQEHDIIRQKQIPLQARELIDTILVKGNAAANIFKNCLKEIDSTLYKN 532
Qy 539 LFDVKNMKYIPTEDVSGLSLEQLRLQEBRTCKVCMDEKSVVPIPCGHLVVOECAPS 598
Db 533 LFDVKNMKYIPTEDVSGLSLEQLRLQEBRTCKVCMDEKSVVPIPCGHLVVOECAPS 592
Qy 599 LKCPICRGITKGTVRTPLS 618
Db 593 LKCPICRGITKGTVRTPLS 612

RESULT 7
US-09-974-592-14
; Sequence 14, Application US/09974592
; Patent No. US20020120121A1
; GENERAL INFORMATION:
; APPLICANT: Korneluk, Robert G
; APPLICANT: Mackenzie, Alexander E
; APPLICANT: Liston, Peter
; APPLICANT: Baird, Stephen
; APPLICANT: Teang, Benjamin K
; APPLICANT: Pratt, Christine
; TITLE OF INVENTION: DETECTION AND MODULATION OF IAPs AND
; TITLE OF INVENTION: NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
; TITLE OF INVENTION: DISEASE
; FILE REFERENCE: 07891/009004
; CURRENT APPLICATION NUMBER: US/09/974,592
; CURRENT FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: US 09/617,053
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 08/800,929
; PRIOR FILING DATE: 1997-02-13
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 612
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-974-592-14

Query Match 83.1%; Score 2724; DB 10; Length 612;
Best Local Similarity 83.2%; Pred. No. 5-2e-232;
Matches 516; Conservative 46; Mismatches 48; Indels 10; Gaps 6;

Qy 1 MHKTASQRLFPGPSYONIKSINEDSTLLSDWTNSNKKQMKYDFSCELYRMSTYSTPAGV 60
Db 1 MDKTVSQRLGGGLHOKLRINEKSTLLSNWTKSESEKMKRDFSCELYRMSTYSTAGPRGV 60
Qy 61 PVSESLARAGFYTTGVNDKXVCFCCGLMDLNMKLGDSPIQKHQIYPSGSIQNLVNSAS 120
Db 61 PVSESLARAGFYTTGVNDKXVCFCCGLMDLNMKQDGPVEKHQFYPSGSIQNLVNSAS 120
Qy 121 LGSSTKNTSPMNSFPAHSLSPTLEHSSLSFGSYSSLSNPINRAVEDISSRTNPYSYA 180
Db 121 LGSSTKNTSPMNSFPAHSLSPTLEHSSLSFGSYSSLSNPINRAVEDISSRTNPYSYA 180
Qy 121 LGSSTKNTSPMNSFPAHSLSPTLEHSSLSFGSYSSLSNPINRAVEDISSRTNPYSYA 180
Db 121 LGSSTKNTSPMNSFPAHSLSPTLEHSSLSFGSYSSLSNPINRAVEDISSRTNPYSYA 180
Qy 181 MSTEBARFLTYHMPITFLSPSELARAGFYITGPDRAVACGKLSNWEPKDAMSEH 240
Db 174 MSTEBARFLTYHMPITFLSPSELARAGFYITGPDRAVACGKLSNWEPKDAMSEH 233
Qy 241 RRRFPNCPFLNSLETFLRSISNLSMOTHAARMRTMYWPSVPVQPEQLASAGFYVYGR 300
Db 234 RRRFPNCPFLNSLETFLRSISNLSMOTHAARMRTMYWPSVPVQPEQLASAGFYVYGR 293
Qy 301 NNDVVCFCDDGGLRCWESGDDDWVBAKMPRCRFLIRMGQSFVDEIGRYPHLEQLL 360
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Db 294 NNDVVCFCDDGGLRCWEPDGPWIEHAKMPPRCRFLIRMGQSFVDEIGRYPHLEQLL 353
Qy 361 STSDTPEENADPTETVVFHFGPGE-SSSDVVMSTPVKAALEMGFSRSIVRQVQRQL 412
Db 354 STSDTPEENADPTETVVFHFGPGE-SSSDVVMSTPVKAALEMGFSRSIVRQVQRQL 412
Qy 419 TTGERYKTVNDIVSALINAEDEREKEKEQAEMASDDSLIRKNRMALFQQLTCLVPI 478
Db 413 ATGENYRTVNDIVSVLNAEDEREKEKEQAEMASDDSLIRKNRMALFQQLTCLVPI 472
Qy 479 LDNLKAVINKOEHDIIKQKQIPLQARELIDTILVKGNAAANIFKNCLKEIDSTLYKN 538
Db 473 LDNLKASVITKQEHDIIRQKQIPLQARELIDTILVKGNAAANIFKNCLKEIDSTLYKN 532
Qy 539 LFDVKNMKYIPTEDVSGLSLEQLRLQEBRTCKVCMDEKSVVPIPCGHLVVOECAPS 598
Db 533 LFDVKNMKYIPTEDVSGLSLEQLRLQEBRTCKVCMDEKSVVPIPCGHLVVOECAPS 592
Qy 599 LKCPICRGITKGTVRTPLS 618
Db 593 LKCPICRGITKGTVRTPLS 612

RESULT 8
US-09-201-936-42
; Sequence 42, Application US/09201936
; Publication No. US20020187946A1
; GENERAL INFORMATION:
; APPLICANT: Korneluk, Robert G.
; APPLICANT: Mackenzie, Alexander E.
; APPLICANT: Liston, Peter
; APPLICANT: Baird, Stephen
; TITLE OF INVENTION: MAMMALIAN IAP GENE FAMILY, PRIMERS,
; TITLE OF INVENTION: PROBES, AND DETECTION METHODS
; FILE REFERENCE: 07891/003003
; CURRENT APPLICATION NUMBER: US/09/201,936
; CURRENT FILING DATE: 1998-12-01
; EARLIER APPLICATION NUMBER: 09/011,356
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: PCT/IB96/01022
; EARLIER FILING DATE: 1996-08-05
; EARLIER APPLICATION NUMBER: 08/576,956
; EARLIER FILING DATE: 1995-12-22
; EARLIER APPLICATION NUMBER: 08/511,485
; EARLIER FILING DATE: 1995-08-04
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 42
; LENGTH: 591
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-201-936-42

Query Match 81.0%; Score 2654; DB 10; Length 591;
Best Local Similarity 83.8%; Pred. No. 7.7e-226;
Matches 502; Conservative 44; Mismatches 43; Indels 10; Gaps 6;

Qy 22 MEDSTLLSDWTNSNKKQMKYDFSCELYRMSTYSTPAGVPVSRSLARAGFYTTGVNDK 81
Db 1 MEKSTLLSNWTKSESEKMKRDFSCELYRMSTYSTAGPRGVSESLARAGFYTTGVNDK 60
Qy 82 KCPCCGLMDLNMKLGDSPIQKHQIYPSGSIQNLVNSASLGSSTKNTSPMNSFPAHSLS 141
Db 61 KCPCCGLMDLNMKQDGPVEKHQFYPSGSIQNLVNSASLGSSTKNTSPMNSFPAHSLS 119
Qy 142 TLEHSSLSFGSYSSLSNPINRAVEDISSRTNPYSYAMSTEBARFLTYHMPITFLSP 201
Db 120 LER-----GGHSNLCSSPLNSRAVEDF--SSRMDPCSYAMSTEBARFLTYHMPITFLSP 173
Qy 202 SELARAGFYITGPDRAVACGKLSNWEPKDAMSEHRRRFPNCPFLNSLETFLRSI 261
Db 174 AELARAGFYITGPDRAVACGKLSNWEPKDAMSEHRRRFPNCPFLNSLETFLRSI 233
```

Qy	262	SNLSMOTHAARRTFTWMPSSVPVQBEQLASGFYVYGUNDVYCFCCGGRLCMESGDD	321
Db	234	SNLSMQTHSARLRTFLYWPSPVPQBEQLASGFYVYDINDVXCLCCDGLRCWEPGD	293
Qy	322	PWEHAKWFPRCFELIRMGGEFVDEIQGRYPHLLIQLISTDITTEENADP--PIIHG	379
Db	294	PWEHAKWFPRCFELIRMGGEFVDEIQARYPHLLIQLISTDITTEENADPTEIVAHG	353
Qy	380	PGESSSEDAVMNNTPIVYKSALEMGEFRDLVKOTVOSKILTTGENYKTVNDIVSALLNAD	439
Db	354	PGE-SSKDVVMNSTPIVYKSALEMGEFSRLVQTQVQRIIATGENYRTVNDIVSYLLNAD	412
Qy	440	EKREBEKEQAEEMASDDLILIRKNMALPQOLTCLPLIDNLKANTINKOEHDIIROK	499
Db	413	ERREBEERQIIBEMASGDSLIRKNMALPQOLTCLPLIDNLLEASVITTKOEHDIIROK	472
Qy	500	TOIPLQARELIDTILVKGNAANAANIPKNCLEISIDSTLYKONLFVDKMKYIPTEDVSGLSDE	559
Db	473	TOIPLQARELIDTILVKGNAANAANIPKNSLKGIDSTLYENLFVEKMKYIPTEDVSGLSDE	532
Qy	560	EQLRRLQBERITCKVCMDEXEVSVPITPCGHLVVCQBCAPSJRKCPICRGIIKGYRTPLS	618
Db	533	EQLRRLQBERITCKVCMDEXEVSIVPITPCGHLVVCQBCAPSJRKCPICRGIIKGYRTPLS	591

```

RESULT 9
US-10-232-286-4
: Sequence 4, Application US/10232286
: Publication No. US20030143579A1
: GENERAL INFORMATION:
:   APPLICANT: Rothe, Mike
:   Goedel, David V
:   TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
:   NUMBER OF SEQUENCES: 14
:   CORRESPONDENCE ADDRESS:
:     ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
:     STREET: 4 Embarcadero Center, Suite 3400
:     CITY: San Francisco
:     STATE: California
:     COUNTRY: USA
:     ZIP: 94111
:   COMPUTER READABLE FORM:
:     MEDIUM TYPE: Floppy disk
:     COMPUTER: IBM PC compatible
:     OPERATING SYSTEM: PC-DOS/MS-DOS
:     SOFTWARE: PatentIn Release #1.0, Version #1.30
:   CURRENT APPLICATION DATA:
:     APPLICATION NUMBER: US/10/232,286
:     FILING DATE: 30-Aug-2002
:     CLASSIFICATION: <Unknown>
:     PRIOR APPLICATION DATA:
:       APPLICATION NUMBER: US/08/569,749
:       FILING DATE: <Unknown>
:       ATTORNEY/AGENT INFORMATION:
:         NAME: Brezner, David J.
:         REGISTRATION NUMBER: 24,774
:         REFERENCE/DOCKET NUMBER: A-62464/DJB
:       TELECOMMUNICATION INFORMATION:
:         TELEPHONE: (415)781-1989
:         TELEFAX: (415)398-3249
:   INFORMATION FOR SEQ ID NO: 4:
:     SEQUENCE CHARACTERISTICS:
:       LENGTH: 604 amino acids
:       TYPE: amino acid
:       STRANDEDNESS: single
:       TOPOLOGY: linear
:     MOLECULE TYPE: protein
:     SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-232-286-4

Query Match      71.8%; Score 2353; DB 12; Length 604
Best Local Similarity 72.8%; Pred. No. 3.5e-199;

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Matches	440; Conservative	71; Mismatches	87; Indels	6; Gaps	5
Qy	20	SIWEDSTILSDWTNS-NKQKMYDFSCELYRMSTYSTPEAGVPVSESLARAGFYTGVN	78		
	:	:	:	:	:
Db	2	NIVENSTLSNMKSNANTPELKDLSCELYRMSTYSTPEAGVPVSESLARAGFYTGVN	61		
Qy	79	DKVCFCCGGLMDNMKLGDSPIQKHQOLYPSCSFIQNTVSA-SLGSTSKNTSP--MRNSF	135		
Db	62	DKVCFCCGGLMDNMKRGDSPTEKHKKLYPSCRFVQSLNSVNNIEATSQPTFPSSVTNS-	120		
Qy	136	AHSLSPTEHSSLPSGSYSSLSEPNPLNSRAVEDISSKRNPNYSAMSTEARFLTYHMP	195		
	:	:	:	:	:
Db	121	THSLLPGTENSGYFRGSYSNSPSPNPNVRANQPPSALMRSSYHCAMNNENARLLTFQWTP	180		
Qy	196	LTFPLSPSELARAGFYIIGPGDRVACFACGGLSNWPEKDDAMSEHRRHPNCPLENSL-	254		
Db	181	LTFPLSPDLAKAGFYIIGPGDRVACFACGGLSNWPEKDDAMSEHRRHPNCPLENSL	240		
Qy	255	ETLRFSSINLSMOTHAARMRTFMWPPSSVPVQPEQLASAGFYVYGRNDVYCFCCDGLR	314		
Db	241	DTERTYVSNLSMOTHAARPKTFPNNPSSVLVNPEQLASAGFYVGNSDVYCFCCDGLR	300		
Qy	315	CWESGDDDDVWEHAKWPRCEFLRMKGQBFVDEIQGRYHLLTEQLSTSDTTEENADPP	374		
Db	301	CWESGDDDDVWQAHAKWPRCEFLRMKGQBFVDEIQGRYHLLTEQLSTSDTTEENADPP	360		
Qy	375	IIHFPGSSSSSEDVAMNTPPVVKSALENGFNRLVYKQTVQSKILTTGENTVANDIVSAL	434		
Db	361	IIHFPGEDHSEDALMNTTPVINAAVEGFSRLVYKQTVQSKILATGENYRLVNDVLDL	420		
Qy	435	LNADEKREKEKEKQAEEMASDDLILRRNRMLFOQLTCVLPILDNILKANVINKQEH	494		
Db	421	LNADEIIEEERERATEREKESNDLILIKRNRMLFOHLTCVPIPLDLSLTAGIINEQEH	480		
Qy	495	IIKQKTOIPLQARELIDTLLVKGNAANAFKNCLEIDSLTYKULFVDKNMKYIPTEDVS	554		
Db	481	VIKQKTOIPLQARELIDTLLVKGNIIAATVFRNSLOEAEAVLYEHLFVQODIKYIPTEDVS	540		
Qy	555	GLSLSEQLRLQERTCKVCMDEXSVVPIPCGHLVVOCECAPSLRKCPICRGIIKGTVR	614		
Db	541	DLPEYEQRLRLQERTCKVCMDEXSVVPIPCGHLVVCDCAPSLRKCPICRSTIKGTVR	600		
Qy	615	TFLS 618			
Db	601	TFLS 604			

```

RESULT 10
US-10-141-618-6
; Sequence 6, Application US/10141618
; Publication No. US20030165867A1
; GENERAL INFORMATION:
; APPLICANT: Reed, John C.
; TITLE OF INVENTION: Methods For Determining the Prognosis
; TITLE OF INVENTION: For Cancer Patients Using Tucan
; FILE REFERENCE: P-IJ 5254
; CURRENT APPLICATION NUMBER: US/10/141,618
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: US 60/289,233
; PRIOR FILING DATE: 2001-05-07
; PRIOR APPLICATION NUMBER: US 60/356,934
; PRIOR FILING DATE: 2002-02-12
; PRIOR APPLICATION NUMBER: US 09/388,221
; PRIOR FILING DATE: 1999-09-01
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 604
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-141-618-6

```

Query Match 71.8%; Score 2353; DB 12; Length 604;

Best Local Similarity 72.8%; Pred. No. 3,5e-199;
Matches 440; Conservative 71; Mismatches 87; Indels 6; Gaps 5;
QY 20 S1MEDSTILSDWTNS-NKQKXKDFSCELYRMSTYSTFPAGVPVSRSLARAGFYTTGVN 78
Db 2 N1VENSIFLSNMKSNANTPELKXDLSCELYRMSTYSTFPAGVPVSRSLARAGFYTTGVN 61
QY 79 DKVCFCCGLMDNMKLGDSPIQKHQOLYPSCSFIQNLVSA-SLGSTSKNTSP-MRNSF 135
Db 62 DKVCFCCGLMDNMKRGDSPEKHKKLYPSCRFVQSLNSVNNLEATISQPTFPSSVTNS- 120
QY 136 AHS1PTLEHSS1FSGSYSSLPNLSRAVEDISSRTNPSYAMSTEARFLTYHMP 195
Db 121 THSLPCTENSGYFRGSYSNSPNSRANQDFSLMRSSYHCAMNNENARLLTFQWPL 180
QY 196 LTFSPSELARAGFYTGPGDRVACFACGKLSNMBPKDAMSEHRRHPNCPLENSL- 254
Db 181 LTFSPDLARAGFYTGPGDRVACFACGKLSNMBPKDAMSEHRRHPNCPLENSL- 240
QY 255 ETLRFSISNLSMOTHAARMRTFMYWPSVPOPEOLASAGFYVGRNDVYKCFCCDGGJLR 314
Db 241 TIRYTVSNLSMOTHAARMRTFMYWPSVPOPEOLASAGFYVGRNDVYKCFCCDGGJLR 300
QY 315 CWESGDDVWEHAKWFPCEFLIRMGQEPVDEIQRYPHLEQLISTSDTTGENADPP 374
Db 301 CWESGDDVWEHAKWFPCEFLIRMGQEPVDEIQRYPHLEQLISTSDTTGENADPP 360
QY 375 IIFPGESSSEDAVMNTPVVKSALEMGNRDLVKQTVQSKILTGENYKTVDIVSAL 434
Db 361 IIFPGESDHSEDAVMNTPVVKSALEMGNRDLVKQTVQSKILTGENYKTVDIVSAL 420
QY 435 LNADEKREERKEKQAEEMASDDLILIRKNMALFOOLTCTVLPILDLTKANVINKOEHD 494
Db 421 LNADEKREERKEKQAEEMASDDLILIRKNMALFOOLTCTVLPILDLTKANVINKOEHD 480
QY 495 IIRKOTQIPLQARELIDTILVKGNAANIFKNCLEIDSTLYKNLFDVKMKYIPTEDVS 554
Db 481 IIRKOTQIPLQARELIDTILVKGNAANIFKNCLEIDSTLYKNLFDVKMKYIPTEDVS 540
QY 555 GLSEBQRLRLQEBRTCKVCMDEKVSVPFPCGHLVVCQECAPSLRKCPICRGIIKGTAR 614
Db 541 GLSEBQRLRLQEBRTCKVCMDEKVSVPFPCGHLVVCQECAPSLRKCPICRGIIKGTAR 600
QY 615 TPLS 618
Db 601 TPLS 604
RESULT 11
US-09-974-592-6
; Sequence 6, Application US/09974592
; Patent No. US20020120121A1
; GENERAL INFORMATION:
; APPLICANT: Korneluk, Robert G
; APPLICANT: Mackenzie, Alexander E
; APPLICANT: Liston, Peter
; APPLICANT: Baird, Stephen
; APPLICANT: Tsang, Benjamin K
; APPLICANT: Pratt, Christine
; TITLE OF INVENTION: DETECTION AND MODULATION OF IAPs AND
; TITLE OF INVENTION: NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
; TITLE OF INVENTION: DISEASE
; FILE REFERENCE: 07891/009004
; CURRENT APPLICATION NUMBER: US/09/974,592
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: US 09/617,053
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 08/800,929
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FaSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 604

TYPE: PRT
; ORGANISM: Homo sapiens
US-09-974-592-6
Query Match 71.2%; Score 2332; DB 10; Length 604;
Best Local Similarity 72.1%; Pred. No. 2,5e-197;
Matches 435; Conservative 72; Mismatches 92; Indels 4; Gaps 4;
QY 20 S1MEDSTILSDWTNS-NKQKXKDFSCELYRMSTYSTFPAGVPVSRSLARAGFYTTGVN 78
Db 2 N1VENSIFLSNMKSNANTPELKXDLSCELYRMSTYSTFPAGVPVSRSLARAGFYTTGVN 61
QY 79 DKVCFCCGLMDNMKLGDSPIQKHQOLYPSCSFIQNLVSA-SLGSTSKNTSPMRNSFA- 136
Db 62 DKVCFCCGLMDNMKRGDSPEKHKKLYPSCRFVQSLNSVNNLEATISQPTFPSSVTNST 121
QY 137 HSL1PTLEHSS1FSGSYSSLPNLSRAVEDISSRTNPSYAMSTEARFLTYHMP 196
Db 122 HSL1PTENSGYFRGSYSNSPNSRANQDFSLMRSSYHCAMNNENARLLTFQWPL 181
QY 197 TPLSPSELARAGFYTGPGDRVACFACGKLSNMBPKDAMSEHRRHPNCPLENSL-E 255
Db 182 TPLSPDLARAGFYTGPGDRVACFACGKLSNMBPKDAMSEHRRHPNCPLENSL- 241
QY 256 TLRFSISNLSMOTHAARMRTFMYWPSVPOPEOLASAGFYVGRNDVYKCFCCDGGJLR 315
Db 242 TIRYTVSNLSMOTHAARMRTFMYWPSVPOPEOLASAGFYVGRNDVYKCFCCDGGJLR 301
QY 316 WESGDDVWEHAKWFPCEFLIRMGQEPVDEIQRYPHLEQLISTSDTTGENADPP 375
Db 302 WESGDDVWEHAKWFPCEFLIRMGQEPVDEIQRYPHLEQLISTSDTTGENADPP 361
QY 376 IIFPGESSSEDAVMNTPVVKSALEMGNRDLVKQTVQSKILTGENYKTVDIVSAL 435
Db 362 IIFPGESDHSEDAVMNTPVVKSALEMGNRDLVKQTVQSKILTGENYKTVDIVSAL 421
QY 436 NAEDEKREERKEKQAEEMASDDLILIRKNMALFOOLTCTVLPILDLTKANVINKOEHD 495
Db 422 NAEDEKREERKEKQAEEMASDDLILIRKNMALFOOLTCTVLPILDLTKANVINKOEHD 481
QY 496 IIRKOTQIPLQARELIDTILVKGNAANIFKNCLEIDSTLYKNLFDVKMKYIPTEDVS 555
Db 482 IIRKOTQIPLQARELIDTILVKGNAANIFKNCLEIDSTLYKNLFDVKMKYIPTEDVS 541
QY 556 LSEBQRLRLQEBRTCKVCMDEKVSVPFPCGHLVVCQECAPSLRKCPICRGIIKGTAR 615
Db 542 LSEBQRLRLQEBRTCKVCMDEKVSVPFPCGHLVVCQECAPSLRKCPICRGIIKGTAR 601
QY 616 TPLS 618
Db 602 TPLS 604
RESULT 12
US-09-201-936-6
; Sequence 6, Application US/09201936
; Publication No. US20020187946A1
; GENERAL INFORMATION:
; APPLICANT: Korneluk, Robert G.
; APPLICANT: Mackenzie, Alexander E.
; APPLICANT: Liston, Peter
; APPLICANT: Baird, Stephen
; TITLE OF INVENTION: MAMMALIAN IAP GENE FAMILY, PRIMERS,
; TITLE OF INVENTION: PROBES, AND DETECTION METHODS
; FILE REFERENCE: 07891/003003
; CURRENT APPLICATION NUMBER: US/09/201,936
; PRIOR FILING DATE: 1998-12-01
; EARLIER APPLICATION NUMBER: 09/011,356
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: PCT/IB96/01022
; EARLIER FILING DATE: 1996-08-05
; EARLIER APPLICATION NUMBER: 08/576,956
; EARLIER FILING DATE: 1995-12-22

EARLIER APPLICATION NUMBER: 08/511,485
 EARLIER FILING DATE: 1995-08-04
 NUMBER OF SEQ ID NOS: 45
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO 6
 LENGTH: 604
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-201-936-6

Query Match 71.2%; Score 2332; DB 10; Length 604;
 Best Local Similarity 72.1%; Pred. No. 2,5e-197;
 Matches 435; Conservative 72; Mismatches 92; Indels 4; Gaps 4;

QY 20 SIMEDSTILSDWTNS-NKQKKYDPSCELYRMSTYSTFAGVPVSESLARAGFYTGYN 78
 DB 2 NIVENSIFLSNLMKSNATPELKYDLSCELYRMSTYSTFAGVPVSESLARAGFYTGYN 61
 QY 79 DKVCFCCGLMDNMKLGDSPIQKHQLYPSCSFIONLVA-SIGSTSKNTSPMRNSPA- 136
 DB 62 DKVCFCCGLMDNMKRGDSPTKHKLYPSRCFVQSLNSVNLLEATSOPTFPSSVTHST 121
 QY 137 HSLSPTEHSSLSFGSYSSLSPLNRAVEDISSRTNYSYAMSTEARFLTYHMP 196
 DB 122 HSLPTEHSSLSFGSYSSLSPLNRAVEDISSRTNYSYAMSTEARFLTYHMP 181
 QY 197 TPLSPSELARAGFYTGYPGDRVACFACGKLSNWEPKDAMSEHRRHPCPLENSI-E 255
 DB 182 TPLSPTEHSSLSFGSYSSLSPLNRAVEDISSRTNYSYAMSTEARFLTYHMP 241
 QY 256 TLRFSISNLSMOTHAARMRTMYWPSVPOPEOLASAGFYVGRNDVCFCCDGLRC 315
 DB 242 TLRFSISNLSMOTHAARMRTMYWPSVPOPEOLASAGFYVGRNDVCFCCDGLRC 301
 QY 316 WESGDDPWEHAKMFPCEFLIRMGQEFVDEIQGRYPHLEQLLSTSDTTGENADPPI 375
 DB 302 WESGDDPWEHAKMFPCEFLIRMGQEFVDEIQGRYPHLEQLLSTSDTTGENADPPI 361
 QY 376 IHFGPSSSSSEDAVMMNTPVVKSALMGFNRDLVKQTVQSKILLTGENYKTVNDIVSALL 435
 DB 362 IHFGPSSSSSEDAVMMNTPVVKSALMGFNRDLVKQTVQSKILLTGENYKTVNDIVSALL 421
 QY 436 NADEKREBEKEKQAEEMASDLSLRKNMALFOQLTCVLPILDNLLKANVINKOEHI 495
 DB 422 NADEKREBEKEKQAEEMASDLSLRKNMALFOQLTCVLPILDNLLKANVINKOEHI 481
 QY 496 IKQTOIPLQARELIDTILVKGNAANIFKNCLEIDSTLYKNLFVDMKMYIPTEDVSG 555
 DB 482 IKQTOIPLQARELIDTILVKGNAANIFKNCLEIDSTLYKNLFVDMKMYIPTEDVSG 541
 QY 556 LSLEBQRLQBERTCKVCMDEKVSVPFPCGHLVVCQCAPSLRKCPICRGIIKGTVRT 615
 DB 542 LSLEBQRLQBERTCKVCMDEKVSVPFPCGHLVVCQCAPSLRKCPICRGIIKGTVRT 601
 QY 616 FLS 618
 DB 602 FLS 604

RESULT 13
 US-08-464-588-2
 Sequence 2, Application US/08464588
 Publication No. US20030073159A1
 GENERAL INFORMATION:
 APPLICANT: HE, ET AL.
 TITLE OF INVENTION: Human Inhibitor of Apoptosis Gene 1
 NUMBER OF SEQUENCES: 8
 CORRESPONDENCE ADDRESSES:
 ADDRESSES: CARELLA, BYRNE, BAIN, GILFILLAN,
 ADDRESSES: CECCHI, STEWART & OUSTEIN
 STREET: 6 BECKER FARM ROAD
 CITY: ROSELAND
 STATE: NEW JERSEY

COUNTRY: USA
 ZIP: 07068
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 INCH DISKETTE
 COMPUTER: IBM PS/2
 OPERATING SYSTEM: MS-DOS
 SOFTWARE: WORD PERFECT 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/464,588
 FILING DATE: June 5, 1995
 CLASSIFICATION: 514
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/05922
 FILING DATE: 11 MAY 1995
 ATTORNEY/AGENT INFORMATION:
 NAME: FERRARO, GREGORY D.
 REGISTRATION NUMBER: 36,134
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 201-994-1700
 TELEFAX: 201-994-1744
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 438 AMINO ACIDS
 TYPE: AMINO ACID
 STRANDEDNESS:
 TOPOLOGY: LINEAR
 MOLECULE TYPE: PROTEIN
 US-08-464-588-2

Query Match 71.0%; Score 2326; DB 8; Length 438;
 Best Local Similarity 100.0%; Pred. No. 5.1e-197;
 Matches 438; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 181 MSTERARFLTYHMPDLTFLSPSELARAGFYTGYPGDRVACFACGKLSNWEPKDAMSEH 240
 DB 1 MSTERARFLTYHMPDLTFLSPSELARAGFYTGYPGDRVACFACGKLSNWEPKDAMSEH 60
 QY 241 RRHFPNCPFLNSLTLRISISNLSMOTHAARMRTMYWPSVPOPEOLASAGFYVGR 300
 DB 61 RRHFPNCPFLNSLTLRISISNLSMOTHAARMRTMYWPSVPOPEOLASAGFYVGR 120
 QY 301 NDDVACFCDDGLRCWBSGDDPVVEHAKMFPCEFLIRMGQEFVDEIQGRYPHLEQL 360
 DB 121 NDDVACFCDDGLRCWBSGDDPVVEHAKMFPCEFLIRMGQEFVDEIQGRYPHLEQL 180
 QY 361 STSDTTGENADPPIIHFGPSSSSSEDAVMMNTPVVKSALMGFNRDLVKQTVQSKILLT 420
 DB 181 STSDTTGENADPPIIHFGPSSSSSEDAVMMNTPVVKSALMGFNRDLVKQTVQSKILLT 240
 QY 421 GENYKTVNDIVSALLNADEKREBEKEKQAEEMASDLSLRKNMALFOQLTCVLPILD 480
 DB 241 GENYKTVNDIVSALLNADEKREBEKEKQAEEMASDLSLRKNMALFOQLTCVLPILD 300
 QY 481 NLKANVINKEHDIKQTOIPLQARELIDTILVKGNAANIFKNCLEIDSTLYKNLF 540
 DB 301 NLKANVINKEHDIKQTOIPLQARELIDTILVKGNAANIFKNCLEIDSTLYKNLF 360
 QY 541 VDKNMKYIPTEDVSGLSLEBQRLQBERTCKVCMDEKVSVPFPCGHLVVCQCAPSLR 600
 DB 361 VDKNMKYIPTEDVSGLSLEBQRLQBERTCKVCMDEKVSVPFPCGHLVVCQCAPSLR 420
 QY 601 KCPICRGIIKGTVRTFLS 618
 DB 421 KCPICRGIIKGTVRTFLS 438

RESULT 14
 US-10-323-643-2
 Sequence 2, Application US/10323643
 Publication No. US2003010852A1
 GENERAL INFORMATION:
 APPLICANT: He, et al.

```
; TITLE OF INVENTION: Human Inhibitor of Apoptosis Gene 1
; FILE REFERENCE: PF165PID1
; CURRENT APPLICATION NUMBER: US/10/323,643
; CURRENT FILING DATE: 2002-12-20
; PRIOR APPLICATION NUMBER: 08/464,588
; PRIOR FILING DATE: 1995-06-05
; PRIOR APPLICATION NUMBER: PCT/US95/05922
; PRIOR FILING DATE: 1995-05-11
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 438
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-323-643-2

Query Match
Best Local Similarity 71.0%; Score 2326; DB 15; Length 438;
Matches 438; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 181 MSTERARFLTHMPLTFISPSSELRAGFYIIGPDRVACFACGCKLSNWEKDDAMSEH 240
D 1 MSTERARFLTHMPLTFISPSSELRAGFYIIGPDRVACFACGCKLSNWEKDDAMSEH 60
QY 241 RRHFPCPFLENSLETFRSISNLSMOTHAARMETFWYESSVPVQPEQLASAGFYTVGR 300
D 61 RRHFPCPFLENSLETFRSISNLSMOTHAARMETFWYESSVPVQPEQLASAGFYTVGR 120
QY 301 NDDVYCFCCDGLRCWESGDDPWVEHAKWPRCEFLIRMKQGFVDEIQGRYPHLEQL 360
D 121 NDDVYCFCCDGLRCWESGDDPWVEHAKWPRCEFLIRMKQGFVDEIQGRYPHLEQL 180
QY 361 STSDTGEENADPRIIHFGGSESSSEDAVMNMTPVYKSALEMGFNRDLVKQTVOSKILTT 420
D 181 STSDTGEENADPRIIHFGGSESSSEDAVMNMTPVYKSALEMGFNRDLVKQTVOSKILTT 240
QY 421 GENYTVNDIVSALINAEDEKREKEKQAEEMASDLSLRKRMALFOQLTCTVLPILD 480
D 241 GENYTVNDIVSALINAEDEKREKEKQAEEMASDLSLRKRMALFOQLTCTVLPILD 300
QY 481 NLKANVINKOEHIIDIKQTOIPLQARELIDTILVKGNAANIFKNCLKEIDSTLYKNLF 540
D 301 NLKANVINKOEHIIDIKQTOIPLQARELIDTILVKGNAANIFKNCLKEIDSTLYKNLF 360
QY 541 VDKMKYIPTEDVSGLSLEQLRLQEBERTCKVCMDEKESVVFIPCGHLVVCQECAPSLR 600
D 361 VDKMKYIPTEDVSGLSLEQLRLQEBERTCKVCMDEKESVVFIPCGHLVVCQECAPSLR 420
QY 601 KCPICRGITKGTVRTFLS 618
D 421 KCPICRGITKGTVRTFLS 438

RESULT 15
US-09-974-592-12
; Sequence 12, Application US/09974592
; Patent No. US20020120121A1
; GENERAL INFORMATION:
; APPLICANT: Korneluk, Robert G
; APPLICANT: MacKenzie, Alexander E
; APPLICANT: Lipton, Peter
; APPLICANT: Baird, Stephen
; APPLICANT: Tsang, Benjamin K
; APPLICANT: Pratt, Christine
; TITLE OF INVENTION: DETECTION AND MODULATION OF IAPS AND
; TITLE OF INVENTION: NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
; TITLE OF INVENTION: DISEASE
; FILE REFERENCE: 07891/009004
; CURRENT APPLICATION NUMBER: US/09/974,592
; CURRENT FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: US 09/617,053
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 08/800,929
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; PRIOR FILING DATE: 1997-02-13
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 600
; TYPE: PRT
; ORGANISM: Mus musculus
; US-09-974-592-12

Query Match
Best Local Similarity 66.7%; Score 2172; DB 10; Length 600;
Matches 406; Conservative 87; Mismatches 96; Indels 20; Gaps 7;

QY 21 IMEDSTILSDWNTS-NKQMKKUDFSCELRYMSTYSTPAGVPVSESLARAGFYTVGVND 79
D 1 MVQDSAFIAKLMKMSADTFELKDYFSCELRYLSTYSAPRPGVPVSESLARAGFYTVGVND 60
QY 80 KYKCFCCGMLDNWKLGDSPIDQKHQOLYPSGCFIQLNLSA-----SIGSTSKNTSP 130
D 61 KYKCFCCGMLDNWKLGDSPMEGRKLYPCNCFVQTLNPANSLBASRPSPSLPTAMSTMP 120
QY 131 MRNSFAHSLPTLEHSLFSGSYSLSPNPLNSRAVEDISSRTNPDYSAMSTEARFLT 190
D 121 L--SFAS-----ENTGYFSGSYSFPSDPVAFRANODCPALSTSPYHFAMNTEKARLTT 173
QY 191 YHMPPLTFISPSSELRAGFYIIGPDRVACFACGCKLSNWEKDDAMSEHRRHPCPFL 250
D 174 YETPPLSPLSPAKLAKAGFYIIGPDRVACFACDGLKSNWEKDDAMSEHQRHPPSCPFL 233
QY 251 EN-SLETFRSISNLSMOTHAARMETFWYESSVPVQPEQLASAGFYTVGRNDVYCFCC 309
D 234 KDLGQSASRYTVSNLSMOTHAARIRTSNMPSSALVHSGELASAGFYTVGHSDVYCFCC 293
QY 310 DGLRCWESGDDPWVEHAKWPRCEFLIRMKQGFVDEIQGRYPHLEQLSTSDTGE 369
D 294 DGLRCWESGDDPWVEHAKWPRCEFLIRMKQGFVDEIQGRYPHLEQLSTSDTGE 353
QY 370 NADPEIHFGGSESSSEDAVMNMTPVYKSALEMGFNRDLVKQTVOSKILTTGENYTVND 429
D 354 NADPAIVHFGPGR--SSEDAVMNMTPVYKSALEMGFNRDLVKQTVOSKILTTGENYTVND 412
QY 430 IVSALINAEDEKREKEKQAEEMASDLSLRKRMALFOQLTCTVLPILDNLKANVIN 489
D 413 IVSALINAEDEKREKEKQAEEMASDLSLRKRMALFOQLTCTVLPILDNLKANVIN 472
QY 490 KOEHIIDIKQTOIPLQARELIDTILVKGNAANIFKNCLKEIDSTLYKNLFVDKMKYIP 549
D 473 KOEHIIDIKQTOIPLQARELIDTILVKGNAANIFKNCLKEIDSTLYKNLFVDKMKYIP 531
QY 550 TPDVSGLSLEQLRLQEBERTCKVCMDEKESVVFIPCGHLVVCQECAPSLRKCPICRGIT 609
D 532 TPDVSGLSLEQLRLQEBERTCKVCMDEKESVVFIPCGHLVVCQECAPSLRKCPICRGIT 591
QY 610 KGTVRTFLS 618
D 592 KGTVRTFLS 600
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Search completed: December 4, 2003, 17:19:23
Job time : 92.9369 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 4, 2003, 14:31:50 ; Search time 2.73874 Seconds
(without alignments)
741.553 Million cell updates/sec

Title: US-08-569-749-9

Sequence: 1 PEOIASAGFYVGRNDVCK.....CWESGDDPWVHAKEWPRCE 48

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA: *
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep: *
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep: *
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep: *
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep: *
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep: *
6: /cgn2_6/ptodata/1/iaa/backfillseq.pep: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	295	100.0	48	3	US-08-569-749-9
2	295	100.0	48	5	PCT-US96-12860-9
3	295	100.0	438	5	PCT-US95-05922A-2
4	295	100.0	618	3	US-08-569-749-2
5	295	100.0	618	4	US-09-069-023-29
6	295	100.0	618	5	PCT-US96-12860-2
7	283	95.9	68	2	US-08-511-485-27
8	283	95.9	68	4	US-09-201-936-27
9	283	95.9	618	2	US-08-511-485-8
10	283	95.9	618	3	US-09-212-971-8
11	283	95.9	618	3	US-08-800-929A-8
12	283	95.9	618	4	US-09-617-053A-8
13	283	95.9	618	4	US-09-201-936-8
14	282	95.6	48	3	US-08-569-749-10
15	282	95.6	48	5	PCT-US96-12860-10
16	282	95.6	68	2	US-08-511-485-26
17	282	95.6	68	4	US-09-201-936-26
18	282	95.6	604	2	US-08-511-485-6
19	282	95.6	604	3	US-09-212-971-6
20	282	95.6	604	3	US-08-800-929A-6
21	282	95.6	604	4	US-08-569-749-4
22	282	95.6	604	4	US-09-617-053A-6
23	282	95.6	604	4	US-09-201-936-6
24	282	95.6	604	5	PCT-US96-12860-4
25	282	95.6	612	3	US-09-212-971-14
26	282	95.6	612	3	US-08-800-929A-14
27	282	95.6	612	3	US-08-569-749-14

28	282	95.6	612	4	US-09-617-053A-14	Sequence 14, Appl
29	282	95.6	612	5	PCT-US96-12860-14	Sequence 14, Appl
30	276	93.6	591	4	US-09-201-936-42	Sequence 42, Appl
31	268	90.8	600	3	US-09-212-971-12	Sequence 12, Appl
32	268	90.8	600	3	US-08-800-929A-12	Sequence 12, Appl
33	268	90.8	600	4	US-06-617-053A-12	Sequence 12, Appl
34	262	88.8	602	4	US-09-201-936-40	Sequence 40, Appl
35	231	78.3	50	3	US-08-975-080-31	Sequence 31, Appl
36	230	78.0	50	3	US-08-975-080-22	Sequence 22, Appl
37	230	78.0	50	3	US-08-975-080-30	Sequence 30, Appl
38	198	67.1	60	4	US-08-657-759-6	Sequence 6, Appl
39	198	67.1	68	2	US-08-511-485-28	Sequence 28, Appl
40	198	67.1	68	4	US-09-201-936-28	Sequence 28, Appl
41	198	67.1	268	3	US-08-836-134-22	Sequence 22, Appl
42	198	67.1	268	4	US-09-493-784-22	Sequence 22, Appl
43	195	66.1	298	4	US-09-127-928-2	Sequence 2, Appl
44	188	63.7	377	4	US-09-502-528-3	Sequence 3, Appl
45	187	63.4	50	3	US-08-975-080-21	Sequence 21, Appl

ALIGNMENTS

RESULT 1
US-08-569-749-9
Sequence 9, Application US/08569749
Patent No. 6187557
GENERAL INFORMATION:
APPLICANT: Rothe, Mike
TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESS: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/569,749
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Brezner, David J.
REGISTRATION NUMBER: 24,774
REFERENCE/DOCKET NUMBER: A-62464/DJB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415)781-1989
TELEFAX: (415)398-3249
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 48 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-569-749-9

Query Match 100.0%; Score 295; DB 3; Length 48;
Best Local Similarity 100.0%; Pred. No. 4.8e-30;
Matches 48; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PEOIASAGFYVGRNDVCKCCDGLRCWESGDDPWVHAKEWPRCE 48
DB 1 PEOIASAGFYVGRNDVCKCCDGLRCWESGDDPWVHAKEWPRCE 48

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RESULT 2
PCT-US96-12860-9
; Sequence 9, Application PC/TUS9612860
; GENERAL INFORMATION:
; APPLICANT: TULARIK, INC.
; TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/12860
; FILING DATE: 06 AUG 1996
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: U.S. Serial Nos. 08/512,916 & 08/569,749
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Brezner, David J.
; REGISTRATION NUMBER: 24,774
; REFERENCE/DOCKET NUMBER: A-62464/DJB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 48 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US96-12860-9

Query Match      100.0%; Score 295; DB 5; Length 48;
Best Local Similarity 100.0%; Pred. No. 4.8e-30;
Matches 48; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  PEOLASAGFYVGRNDVKFCPCDGGRLRCWESGDDPWVHAKWPRCE 48
DB      1  PEOLASAGFYVGRNDVKFCPCDGGRLRCWESGDDPWVHAKWPRCE 48

RESULT 3
PCT-US95-05922A-2
; Sequence 2, Application PC/TUS9505922A
; GENERAL INFORMATION:
; APPLICANT: HE, ET AL.
; TITLE OF INVENTION: Human Inhibitor of Apoptosis Gene 1
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/05922A
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; FILING DATE: 11 MAY 1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: PERRARO, GREGORY D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-292
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 438 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
; PCT-US95-05922A-2

Query Match      100.0%; Score 295; DB 5; Length 438;
Best Local Similarity 100.0%; Pred. No. 5.3e-29;
Matches 48; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  PEOLASAGFYVGRNDVKFCPCDGGRLRCWESGDDPWVHAKWPRCE 48
DB      107 PEOLASAGFYVGRNDVKFCPCDGGRLRCWESGDDPWVHAKWPRCE 154

RESULT 4
US-08-569-749-2
; Sequence 2, Application US/08569749
; Patent No. 6187557
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Goedel, David V
; TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/569,749
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Brezner, David J.
; REGISTRATION NUMBER: 24,774
; REFERENCE/DOCKET NUMBER: A-62464/DJB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 618 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-569-749-2

Query Match      100.0%; Score 295; DB 3; Length 618;
Best Local Similarity 100.0%; Pred. No. 7.6e-29;
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APPLICANT: Korneluk, Robert G.
APPLICANT: Mackenzie, Alexander E.
APPLICANT: Baird, Stephen
APPLICANT: Liston, Peter
TITLE OF INVENTION: MAMMALIAN IAP GENE FAMILY, PRIMERS,
TITLE OF INVENTION: PROBES, AND DETECTION METHODS
FILE REFERENCE: 07891/003003
CURRENT APPLICATION NUMBER: US/09/201,936
CURRENT FILING DATE: 1998-12-01
EARLIER APPLICATION NUMBER: 09/011,356
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: PCT/IB96/01022
EARLIER FILING DATE: 1996-08-05
EARLIER APPLICATION NUMBER: 08/576,956
EARLIER FILING DATE: 1995-12-22
EARLIER APPLICATION NUMBER: 08/511,485
EARLIER FILING DATE: 1995-08-04
NUMBER OF SEQ ID NOS: 45
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 27
LENGTH: 68
TYPE: PRT
ORGANISM: Homo sapiens
US-09-201-936-27

Query Match 95.9%; Score 283; DB 4; Length 68;
Best Local Similarity 97.9%; Pred. No. 2.2e-28;
Matches 47; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 PEQLASAGFYVGRNDVYKCFCCDGLRCWESGDDPWVEHAKWFPRC 48
Db 19 PEQLASAGFYVGRNDVYKCFCCDGLRCWESGDDPWVEHAKWFPRC 66

RESULT 9
US-08-511-485-8
Sequence 8, Application US/08511485
Patent No. 5919912
GENERAL INFORMATION:
APPLICANT: Korneluk, Robert G.
APPLICANT: Mackenzie, Alexander E.
APPLICANT: Baird, Stephen
TITLE OF INVENTION: MAMMALIAN IAP GENE FAMILY, PRIMERS,
TITLE OF INVENTION: PROBES, AND DETECTION METHODS
NUMBER OF SEQUENCES: 38
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/511,485
FILING DATE: 04-AUG-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Paul T.
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 07540/002001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 618 amino acids
TYPE: amino acid

STRANDEDNESS: not relevant
TOPOLOGY: both
MOLECULE TYPE: protein
US-08-511-485-8

Query Match 95.9%; Score 283; DB 2; Length 618;
Best Local Similarity 97.9%; Pred. No. 2.4e-27;
Matches 47; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 PEQLASAGFYVGRNDVYKCFCCDGLRCWESGDDPWVEHAKWFPRC 48
Db 287 PEQLASAGFYVGRNDVYKCFCCDGLRCWESGDDPWVEHAKWFPRC 334

RESULT 10
US-09-212-971-8
Sequence 8, Application US/09212971B
Patent No. 6107041
GENERAL INFORMATION:
APPLICANT: Korneluk, Robert G.
APPLICANT: Mackenzie, Alexander E.
APPLICANT: Liston, Peter
APPLICANT: Baird, Stephen
APPLICANT: Tsang, Benjamin K
APPLICANT: Pratt, Christine
TITLE OF INVENTION: DETECTION AND MODULATION OF IAPS AND
TITLE OF INVENTION: NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
TITLE OF INVENTION: DISEASE
FILE REFERENCE: 07891/009002
CURRENT APPLICATION NUMBER: US/09/212,971B
CURRENT FILING DATE: 1998-12-16
EARLIER APPLICATION NUMBER: 60/017,354
EARLIER FILING DATE: 1996-04-26
EARLIER APPLICATION NUMBER: 60/030,590
EARLIER FILING DATE: 1996-11-14
EARLIER APPLICATION NUMBER: 08/800,929
EARLIER FILING DATE: 1997-02-13
NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 8
LENGTH: 618
TYPE: PRT
ORGANISM: Homo sapiens
US-09-212-971-8

Query Match 95.9%; Score 283; DB 3; Length 618;
Best Local Similarity 97.9%; Pred. No. 2.4e-27;
Matches 47; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 PEQLASAGFYVGRNDVYKCFCCDGLRCWESGDDPWVEHAKWFPRC 48
Db 287 PEQLASAGFYVGRNDVYKCFCCDGLRCWESGDDPWVEHAKWFPRC 334

RESULT 11
US-08-800-929A-8
Sequence 8, Application US/08800929A
Patent No. 6133437
GENERAL INFORMATION:
APPLICANT: Korneluk, Robert G.
APPLICANT: Mackenzie, Alexander E.
APPLICANT: Liston, Peter
APPLICANT: Baird, Stephen
APPLICANT: Tsang, Benjamin K
APPLICANT: Pratt, Christine
TITLE OF INVENTION: DETECTION AND MODULATION OF
TITLE OF INVENTION: IAPS AND NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
TITLE OF INVENTION: DISEASE
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Clark & Ribling LLP
STREET: 176 Federal Street
CITY: Boston

STATE: MA
COUNTRY: USA
ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/800,929A
FILING DATE: 13-FEB-1997
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/030,590
FILING DATE: 14-NOV-1996
APPLICATION NUMBER: 60/017,354
FILING DATE: 26-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Bleker-Brady, Kristina
REGISTRATION NUMBER:
REFERENCE/DOCKET NUMBER: 07891/009001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-428-0200
TELEFAX: 617-428-7045
TELEX:
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 618 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-800-929A-8

Query Match 95.9%; Score 283; DB 3; Length 618;
Best Local Similarity 97.9%; Pred. No. 2.4e-27;
Matches 47; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 PEOLASAGFYVGRNDVYKFCPCDGGILRCWESGDDPVVHAKMPFRC 48
DB 287 PEOLASAGFYVGRNDVYKFCPCDGGILRCWESGDDPVVHAKMPFRC 334

RESULT 12
US-09-617-053A-8
Sequence 8, Application US/09617053A
Patent No. 6300492
GENERAL INFORMATION:
APPLICANT: Korneluk, Robert G
APPLICANT: Mackenzie, Alexander E
APPLICANT: Liston, Peter
APPLICANT: Baird, Stephen
APPLICANT: Tsang, Benjamin K
APPLICANT: Pratt, Christine
TITLE OF INVENTION: DETECTION AND MODULATION OF IAFS AND
TITLE OF INVENTION: NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
TITLE OF INVENTION: DISEASE
FILE REFERENCE: 07891/009003
CURRENT APPLICATION NUMBER: US/09/617,053A
CURRENT FILING DATE: 2000-07-14
PRIOR FILING DATE: 1997-02-13
NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 8
LENGTH: 618
TYPE: PRT
ORGANISM: Homo sapiens
US-09-617-053A-8

Query Match 95.9%; Score 283; DB 4; Length 618;
Best Local Similarity 97.9%; Pred. No. 2.4e-27;
Matches 47; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 PEOLASAGFYVGRNDVYKFCPCDGGILRCWESGDDPVVHAKMPFRC 48
DB 287 PEOLASAGFYVGRNDVYKFCPCDGGILRCWESGDDPVVHAKMPFRC 334

RESULT 13
US-09-201-936-8
Sequence 8, Application US/09201936
Patent No. 6541457
GENERAL INFORMATION:
APPLICANT: Korneluk, Robert G.
APPLICANT: Mackenzie, Alexander E.
APPLICANT: Liston, Peter
APPLICANT: Baird, Stephen
TITLE OF INVENTION: MAMMALIAN IAP GENE FAMILY, PRIMERS,
FILE REFERENCE: 07891/003003
CURRENT APPLICATION NUMBER: US/09/201,936
CURRENT FILING DATE: 1998-12-01
EARLIER APPLICATION NUMBER: 09/011,356
EARLIER FILING DATE: 1998-02-04
EARLIER APPLICATION NUMBER: PCT/IB96/01022
EARLIER FILING DATE: 1996-08-05
EARLIER APPLICATION NUMBER: 08/576,956
EARLIER FILING DATE: 1995-12-22
EARLIER APPLICATION NUMBER: 08/511,485
EARLIER FILING DATE: 1995-08-04
NUMBER OF SEQ ID NOS: 45
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 8
LENGTH: 618
TYPE: PRT
ORGANISM: Homo sapiens
US-09-201-936-8

Query Match 95.9%; Score 283; DB 4; Length 618;
Best Local Similarity 97.9%; Pred. No. 2.4e-27;
Matches 47; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 PEOLASAGFYVGRNDVYKFCPCDGGILRCWESGDDPVVHAKMPFRC 48
DB 287 PEOLASAGFYVGRNDVYKFCPCDGGILRCWESGDDPVVHAKMPFRC 334

RESULT 14
US-08-569-749-10
Sequence 10, Application US/08569749
Patent No. 6187557
GENERAL INFORMATION:
APPLICANT: Rotne, Mike
APPLICANT: Goeddel, David V
TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/569,749
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Brezner, David J.
REGISTRATION NUMBER: 24,774

Search completed: December 4, 2003, 17:09:32
Job time : 2.73874 secs

REFERENCE/DOCKET NUMBER: A-62464/DJB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415)781-1989
TELEFAX: (415)398-3249
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 48 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-569-749-10

Query Match 95.6%; Score 282; DB 3; Length 48;
Best Local Similarity 93.8%; Pred. No. 2e-28;
Matches 45; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 PEOIASAGFYVGRNDVYKFCDCDGLRCWESGDDPWVYHAKWFPKCE 48
DB 1 PEOIASAGFYVGRNSDDVYKFCDCDGLRCWESGDDPWVYHAKWFPKCE 48

RESULT 15

PCT-US96-12860-10
Sequence 10, Application PC/TUS9612860
GENERAL INFORMATION:
APPLICANT: TULARIK, INC.
TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/12860
FILING DATE: 06 AUG 1996
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.S. Serial Nos. 08/512,946 & 08/569,749
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Brezner, David J.
REGISTRATION NUMBER: 24,774
REFERENCE/DOCKET NUMBER: A-62464/DJB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415)781-1989
TELEFAX: (415)398-3249
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 48 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-12860-10

Query Match 95.6%; Score 282; DB 5; Length 48;
Best Local Similarity 93.8%; Pred. No. 2e-28;
Matches 45; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 PEOIASAGFYVGRNDVYKFCDCDGLRCWESGDDPWVYHAKWFPKCE 48
DB 1 PEOIASAGFYVGRNSDDVYKFCDCDGLRCWESGDDPWVYHAKWFPKCE 48

GenCore version 5.1.6
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OM nucleic - nucleic search, using SW model

Run on: December 4, 2003, 12:42:59 ; Search time 165 Seconds
(without alignments)
6925.703 Million cell updates/sec

Title: US-08-569-749-1

Perfect score: 2589
Sequence: 1 TCTAAGTAGTATCTTGAAA.....AAAAAAAAAAAAAAAAAAAA 2589

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2589	100.0	2589	US-08-569-749-1	Sequence 1, Appli
2	2589	100.0	2589	PCT-US96-12860-1	Sequence 1, Appli
3	2535.8	97.9	3532	US-09-205-204-1	Sequence 1, Appli
4	2535.8	97.9	3732	US-09-212-971-7	Sequence 7, Appli
5	2535.8	97.9	3732	US-08-800-929A-7	Sequence 7, Appli
6	2535.8	97.9	3732	US-09-617-053A-7	Sequence 7, Appli
7	2514.8	97.1	2580	US-08-511-485-7	Sequence 7, Appli
8	2514.8	97.1	2580	US-09-201-936-7	Sequence 7, Appli
9	1430.2	55.2	1435	PCT-US95-05922A-1	Sequence 1, Appli
10	1345.2	52.0	2862	US-08-569-749-13	Sequence 13, Appli
11	1345.2	52.0	2862	PCT-US96-12860-13	Sequence 13, Appli
12	1343.6	51.9	3151	US-09-212-971-13	Sequence 13, Appli
13	1343.6	51.9	3151	US-08-800-929A-13	Sequence 13, Appli
14	1343.6	51.9	3151	US-09-617-053A-13	Sequence 13, Appli
15	1330.4	51.4	2416	US-09-201-936-41	Sequence 41, Appli
16	1157	44.7	3076	US-09-205-144-1	Sequence 1, Appli
17	1153.6	44.6	2563	US-09-016-434-1076	Sequence 1076, Ap
18	1153.6	44.6	2601	US-08-569-749-3	Sequence 3, Appli
19	1153.6	44.6	2601	PCT-US96-12860-3	Sequence 3, Appli
20	1152.2	44.5	6669	US-09-212-971-5	Sequence 5, Appli
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22	1152.2	44.5	6669	US-09-617-053A-5	Sequence 5, Appli
23	1149	44.4	2676	US-08-511-485-5	Sequence 5, Appli
24	1149	44.4	2676	US-09-201-936-5	Sequence 5, Appli
25	931.6	36.0	2676	US-09-212-971-11	Sequence 11, Appli
26	931.6	36.0	2676	US-08-800-929A-11	Sequence 11, Appli
27	931.6	36.0	2676	US-09-617-053A-11	Sequence 11, Appli

28	921.8	35.6	2450	4	US-09-201-936-39	Sequence 39, Appli
29	137.4	5.3	2691	3	US-09-212-971-9	Sequence 9, Appli
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35	136.8	5.3	5232	3	US-08-800-929A-3	Sequence 3, Appli
36	136.8	5.3	5232	4	US-09-617-053A-3	Sequence 3, Appli
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38	136.6	5.3	2100	2	US-09-201-936-9	Sequence 9, Appli
39	135.2	5.2	2540	2	US-08-511-485-3	Sequence 3, Appli
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44	76.4	3.0	1134	4	US-09-502-528-2	Sequence 2, Appli
45	76.4	3.0	1739	4	US-09-502-528-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-08-569-749-1
Sequence 1, Application US/08569749
Patent No. 6187557
GENERAL INFORMATION:
APPLICANT: Rothe, Mike
TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSER: FLEHR, HOEBACH, TEST, ALBRITTON & HERBERT
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/569,749
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Brezner, David J.
REGISTRATION NUMBER: 24,774
REFERENCE/DOCKET NUMBER: A-62464/DJB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415)781-1989
TELEFAX: (415)398-3249
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2589 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-08-569-749-1
Query Match 100.0%; Score 2589; DB 3; Length 2589;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TCTAAGTAGTATCTTGAAATTCAGAGAGATACCTCACTCACTGAATATTAATCTGAGAT 60
DB 1 TCTAAGTAGTATCTTGAAATTCAGAGAGATACCTCACTCACTGAATATTAATCTGAGAT 60
QY 61 AAATCCAGTAAGAAAGTGTAGTAATTCTACATAGAGAGCTATCATGATTTCTTTGG 120

Db 61 AAATCAGTAAGAAGATGATGTAATTTCTACATAAGAGTCTATCATGATTTCTTTGG 120
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Qy 241 AAAACATTAAGATTAATGGAAGATAGCAGATCTGTGAGATTGACAAACAGCAACA 300
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Qy 361 TCCCGCGCGGGTGCCCTGTCTCAGAAAGAGTCTTGCTGTGCTGTTTATTAATCTG 420
Db 361 TCCCGCGCGGGTGCCCTGTCTCAGAAAGAGTCTTGCTGTGCTGTTTATTAATCTG 420
Qy 421 GTGTGAATGACAAAGTCAATGCTTGTGTGCTGATGCTGATTAATCTGAAATCTAG 480
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Qy 1201 TGATACGAATGAAAGCCAGAGTGTGTGATGAGATTCAGAGTATATCTCATCTTC 1260
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Qy 1261 TTGAACAGCTGTGCTCACTTCAGATACCACTGAGAGAGAAATGCTGACCCACCAATTA 1320
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Db 1321 TTGATTTTGGACCTGAGAGAAAGTCTTCAAGATGCTGTCAATGATTAACACCTGTGG 1380
Qy 1381 TTAATCTGCTTGGAAATGGCTTTAATAGACCTGTGAAACAAACAGTTCAAGTA 1440
Db 1381 TTAATCTGCTTGGAAATGGCTTTAATAGACCTGTGAAACAAACAGTTCAAGTA 1440
Qy 1441 AAATCTGACAACTGAGAGAACTATAAAACAGTTAATGATATTGTGTGACGACTTTAA 1500
Db 1441 AAATCTGACAACTGAGAGAACTATAAAACAGTTAATGATATTGTGTGACGACTTTAA 1500
Qy 1501 ATGCTGAAGATGAAAG 1560
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Db 1681 TTAACAAAAACACAGATACCTTTTAAAGCCATGTATTAATAACAGAAACATGATATTA 1740
Qy 1741 AAGGAAATGCTGCGGCAACATCTTCAAAAACGTCTAAAGAAATGACTCTACATGT 1800
Db 1741 AAGGAAATGCTGCGGCAACATCTTCAAAAACGTCTAAAGAAATGACTCTACATGT 1800
Qy 1801 ATAAAGACTTAATTTGTGATTAAGATATGATATTTCCACAGAGATGTTTCAAGTTC 1860
Db 1801 ATAAAGACTTAATTTGTGATTAAGATATGATATTTCCACAGAGATGTTTCAAGTTC 1860
Qy 1861 TGTCACTGAGAGAACATTTGAGAGAGTTCAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1920
Db 1861 TGTCACTGAGAGAACATTTGAGAGAGTTCAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1920
Qy 1921 ACAAGAAATTTCTGTGATTAATTTCTGCTGTGATCTGTGATGATGACAGAGATGTC 1980
Db 1921 ACAAGAAATTTCTGTGATTAATTTCTGCTGTGATCTGTGATGATGACAGAGATGTC 1980
Qy 1981 CCCCTTCTTAAGAAATATGCTTATTTGACAGGGTATTAATCAAGGTAATCTGTGTAAT 2040
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Db 2101 GTTGAACACTTGAAGCACTTAAGTAAAGAGAAATTAAGAGTTTCAATTAATTAATTA 2160
Qy 2161 TTCAATGCTAGTCTGTTTGGTAACTAATATCTTTTCTGAAAGAGTGTATCATATA 2220
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RESULT 2
 PCT-US96-12860-1
 / Sequence 1, Application PC/TUS9612860
 / GENERAL INFORMATION:
 / APPLICANT: TULARIK, INC.
 / TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
 / NUMBER OF SEQUENCES: 14
 / CORRESPONDENCE ADDRESS:
 / ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT
 / STREET: 4 Embarcadero Center, Suite 3400
 / CITY: San Francisco
 / STATE: California
 / COUNTRY: USA
 / ZIP: 94111
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Floppy disk
 / COMPUTER: IBM PC compatible
 / OPERATING SYSTEM: PC-DOS/MS-DOS
 / SOFTWARE: PatentIn Release #1.0, Version #1.30
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: PCT/US96/12860
 / FILING DATE: 06 AUG 1996
 / CLASSIFICATION:
 / PRIOR APPLICATION DATA:
 / APPLICATION NUMBER: U.S. Serial Nos. 08/512,945 & 08/569,749
 / CLASSIFICATION:
 / ATTORNEY/AGENT INFORMATION:
 / NAME: Brezner, David J.
 / REGISTRATION NUMBER: 24,774
 / REFERENCE/DOCKET NUMBER: A-62464/DJB
 / TELECOMMUNICATION INFORMATION:
 / TELEPHONE: (415)781-1989
 / TELEFAX: (415)398-3249
 / INFORMATION FOR SEQ ID NO: 1:
 / SEQUENCE CHARACTERISTICS:
 / LENGTH: 2589 base pairs
 / TYPE: nucleic acid
 / STRANDEDNESS: single
 / TOPOLOGY: linear
 / MOLECULE TYPE: cDNA
 / PCT-US96-12860-1

Query Match 100.0%; Score 2589; DB 5; Length 2589;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 2589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 1 TCTAAGTATCTTGGAAATTCAGAGAGATCTCATCTGATATATTAATCTGAGAT 60
 QY 61 AATTCAGTAAAGAAAGTGAATTAATCTACATAGAGTCTATCATGATTTCTTTGG 120
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 DB 421 GTGTGAATGACAAAGTCAAAATGCTTGTGTGAGCTGTGATGCTGATTAATCTGAAACTAG 480
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 DB 541 TGGTTACGTAAGTCTGGAGTCACTCTTAAGAAATGCTTCAATGAGAAAGCTTTTG 600
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 QY 781 TAACTTTTGTGACCATCAGAAATGCGCAAGAGCTGTTTATATATATAGAGCCTGAG 840
 DB 781 TAACTTTTGTGACCATCAGAAATGCGCAAGAGCTGTTTATATATATAGAGCCTGAG 840
 QY 841 ATAGGGTACCTGCTTGTGCTGTGAGGAGTCAAGTAACTGGAAACCAAGATGATG 900
 DB 841 ATAGGGTACCTGCTTGTGCTGTGAGGAGTCAAGTAACTGGAAACCAAGATGATG 900
 QY 901 CTATGTCAAGAACCCGAGGCAATTTTCCCACTGTTCATTTTGGAAAAATTTCTAGAAA 960
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 QY 961 CTGTAGGTTTATGCAATTCAGATGAGATGAGACACATGACCTGATGAGAACAT 1020
 DB 961 CTGTAGGTTTATGCAATTCAGATGAGATGAGACACATGACCTGATGAGAACAT 1020
 QY 1021 TTAATGTAGGCTATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1080
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Db	1081	ATTATGTGGGTCCGCAATGATGATGTCAATGCTTTGTGTGATGATGTGGCTTGAGGTGT	1140
Qy	1141	GGGAACTCGAGAGATGATCCATGGGTAGAACATGCCAAGTGGTTTCCAAGGTGTGATTTCT	1200
Db	1141	GGGAATCTGGAGATGATCCATGGGTAGAACATGCCAAGTGGTTTCCAAGGTGTGATTTCT	1200
Qy	1201	TGATACGAATGAAAGGCCAAGAGTTTGTGATGAGATTCAAGGTAGATATCCCATCTTC	1260
Db	1201	TGATACGAATGAAAGGCCAAGAGTTTGTGATGAGATTCAAGGTAGATATCCCATCTTC	1260
Qy	1261	TTGAAACAGCTGTGTCAATTCAGATATCCACTGGAGAAAGAAAATGCTGACCCACCAATTA	1320
Db	1261	TTGAAACAGCTGTGTCAATTCAGATATCCACTGGAGAAAGAAAATGCTGACCCACCAATTA	1320
Qy	1321	TTCAATTTGGACCTGGAGAAAGTTCTTCAGAAAGTGTCTCATGATGAATPACACCTGTGG	1380
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Qy	1381	TTTAAATCTGCTTGGAAAATGGGCTTTAATAGAGACCTGTGTGAAAACAAACAGTTCAAAGTA	1440
Db	1381	TTTAAATCTGCTTGGAAAATGGGCTTTAATAGAGACCTGTGTGAAAACAAACAGTTCAAAGTA	1440
Qy	1441	AAATCCTGCAACTGAGAGAACTATAAACAGTTAATGATATGTGTGACGACTTCTAA	1500
Db	1441	AAATCCTGCAACTGAGAGAACTATAAACAGTTAATGATATGTGTGACGACTTCTAA	1500
Qy	1501	ATGCTGAAGATGAAAAAAGAGAGAGAGAAAGAAAACAGCTGAAGAAATGGCATCAG	1560
Db	1501	ATGCTGAAGATGAAAAAAGAGAGAGAGAAAGAAAACAGCTGAAGAAATGGCATCAG	1560
Qy	1561	ATGATTTGTCTATTAAATTCGGAAAGAACAGATGGCTCTTTTCAACAAATGACATGTGTGC	1620
Db	1561	ATGATTTGTCTATTAAATTCGGAAAGAACAGATGGCTCTTTTCAACAAATGACATGTGTGC	1620
Qy	1621	TTTCTATCTGTGATTAATCTTTTAAAGGCCAATGTATTAATAACAGAACATGATATTA	1680
Db	1621	TTTCTATCTGTGATTAATCTTTTAAAGGCCAATGTATTAATAACAGAACATGATATTA	1680
Qy	1681	TTTAAACAAAAAACAAGATACCTTTACAAGCGAGAGAACGTATGATACCATTTGTGTTA	1740
Db	1681	TTTAAACAAAAAACAAGATACCTTTACAAGCGAGAGAACGTATGATACCATTTGTGTTA	1740
Qy	1741	AAGAAATGCTGGGCCCAACATCTTCAAAACCTGTCTAAAGAAATTGACTTACATTTGT	1800
Db	1741	AAGAAATGCTGGGCCCAACATCTTCAAAACCTGTCTAAAGAAATTGACTTACATTTGT	1800
Qy	1801	ATTAAGAACTTAATTTGTGATTAAGATATGAAGTATATTCCACAAGAGATGTTCAAGTTC	1860
Db	1801	ATTAAGAACTTAATTTGTGATTAAGATATGAAGTATATTCCACAAGAGATGTTCAAGTTC	1860
Qy	1861	TGTCACTGGAGAAACAATTGAGAGAGGTTCGAAGAAACAACTGTGTAAGTGTATG	1920
Db	1861	TGTCACTGGAGAAACAATTGAGAGAGGTTCGAAGAAACAACTGTGTAAGTGTATG	1920
Qy	1921	ACAAAGAAAGTTTCTGTGTATTAAATCTTGTGGTCATCNGTGTATGCCAGGAATGTG	1980
Db	1921	ACAAAGAAAGTTTCTGTGTATTAAATCTTGTGGTCATCNGTGTATGCCAGGAATGTG	1980
Qy	1981	CCCCCTTCTTAAGAAATATGCCCTTAATTTGACAGGGGTATATCAAGGGTACTGTTGTA	2040
Db	1981	CCCCCTTCTTAAGAAATATGCCCTTAATTTGACAGGGGTATATCAAGGGTACTGTTGTA	2040
Qy	2041	TTTCTCTCTTAAAGAAAATAGTCTATATTTTAACTGCAATAAAAAGTCTTTAAATATTT	2100
Db	2041	TTTCTCTCTTAAAGAAAATAGTCTATATTTTAACTGCAATAAAAAGTCTTTAAATATTT	2100
Qy	2101	GTTGAACACTTGAAAGCCATCTAAAGTAAAAAGGAATTATGAGTTTTCATTAATGTAACA	2160
Db	2101	GTTGAACACTTGAAAGCCATCTAAAGTAAAAAGGAATTATGAGTTTTCATTAATGTAACA	2160
Qy	2161	TTTCAATTTCTAGTCTGCTTGGTGTACTAATATCTTGTGTTTGTGAAAAGATGATCATATA	2220
Db	2161	TTTCAATTTCTAGTCTGCTTGGTGTACTAATATCTTGTGTTTGTGAAAAGATGATCATATA	2220

QY	2221	TTTAATCTTAATCTGTTTATTACAAGGGAAGATTATGTTGGTGAACATAATTAGTAT	2280
Db	2221	TTTAATCTTAATCTGTTTATTACAAGGGAAGATTATGTTGGTGAACATAATTAGTAT	2280
QY	2281	GTATGTGTACCTTAAGGAGTAGTGTCACTGCTTGTATGCAATTTCAAGAGTTACTGG	2340
Db	2281	GTATGTGTACCTTAAGGAGTAGTGTCACTGCTTGTATGCAATTTCAAGAGTTACTGG	2340
QY	2341	ATTGTGTCTTTCAAGAAAGCTTTGATACATAATATATAGTGTAGAAAAGAACTGGAAA	2400
Db	2341	ATTGTGTCTTTCAAGAAAGCTTTGATACATAATATATAGTGTAGAAAAGAACTGGAAA	2400
QY	2401	CCAGGAACCTCGAGTTCATCAGAGTTATGTGTCGGAATTTGCTTGGTCTTTTCACTT	2460
Db	2401	CCAGGAACCTCGAGTTCATCAGAGTTATGTGTCGGAATTTGCTTGGTCTTTTCACTT	2460
QY	2461	GTCCTTTTAAATTAAGATTTTTCTTATTTCTCCCCCTAGTTTGTGGAACATCTCAA	2520
Db	2461	GTCCTTTTAAATTAAGATTTTTCTTATTTCTCCCCCTAGTTTGTGGAACATCTCAA	2520
QY	2521	TAAAGTGCTTTAAAAAATTT	2580
Db	2521	TAAAGTGCTTTAAAAAATTT	2580
QY	2581	AAAAAAAAAA 2589	
Db	2581	AAAAAAAAAA 2589	

RESULT 3

US-09-205-204-1
; Sequence 1, Application US/09205204

Patent No. 5958772

; GENERAL INFORMATION:

APPLICANT: C. Frank Bennett

APPLICANT: Elizabeth J. Ackermann

APPLICANT: Lex M. Cowbell

TITLE OF INVENTION: ANTI-
ETILE PRESENCE, PTE-0020

FILE REFERENCE: RIS-0020
CURRENT APPLICATION NUMBER: IIS/09/205-204

CURRENT APPLICATION NUMBER: 05/
 CURRENT FILING DATE: 1998-12-03

NUMBER OF SEO ID NOS: 47

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LENGTH: 3532

TYPE: DNA

ORGANISM: *Homo sapiens*

FEATURE:

NAME/KEY: CDS

; LOCATION: (1160)..(3016)

US-09-205-204-1

Query Match 97.9%; Score 2535.8; DB 2; Length 3532;

Best Local Similarity 99.7%; Pred. No. 0;

Matches 2540; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

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120 התיאוריות והתחזיות והחזרה לפרק 11

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181 ACTGTCACTACTCATGCAAAACTGCTCCCAAGACTTTTCCAGGTCCTCGTATC 240

Db 1146 ACTGTCACCTACTCATGCACAAACTGCCCTCCCAAGACTTTTCCAGGTCCTCGTATC 1205

241 AAAACATTAGAGTATAATGGAAGATAGCACGATCTTGTGAGATTGGACAAACAGCAACA 300

Db	1206	AAAAATTAAAGATTAATGAAGAAATGACGATCTTGTTCAGATTGGACMAAGCAACA	1265
Qy	301	AACAAAAAATGAAGATGACTTTTCCTGTGAACCTACAGAAATGTCTACATATTCACTT	360
Db	1266	AACAAAAAATGAAGATGACTTTTCCTGTGAACCTACAGAAATGTCTACATATTCACTT	1325
Qy	361	TCCCCCGCCGGGTGCTGTCTCAGAAAGAGTCTTGTCTGTGCTGTTTTTATTACTG	420
Db	1326	TCCCCCGCCGGGTGCTGTCTCAGAAAGAGTCTTGTCTGTGCTGTTTTTATTACTG	1385
Qy	421	GTGTGAATGACAAAGTCAATGCTTCTGTGTGGCCTGA TGCTGATAACTGAAACTAG	480
Db	1386	GTGTGAATGACAAAGTCAATGCTTCTGTGTGGCCTGA TGCTGATAACTGAAACTAG	1445
Qy	481	GAGACAGTCTTATTCMAAAGCATTAACAGCTATATCTAGCTGAGCTTTATTCAGAATC	540
Db	1446	GAGACAGTCTTATTCMAAAGCATTAACAGCTATATCTAGCTGAGCTTTATTCAGAATC	1505
Qy	541	TGGTTTCAGCTAGTCTGGGATCCACCTCTAAGAA TACGCTCCAATGAGAAACAGTTTG	600
Db	1506	TGGTTTCAGCTAGTCTGGGATCCACCTCTAAGAA TACGCTCCAATGAGAAACAGTTTG	1565
Qy	601	CACATTCAATTATCTCCACCTTGGAACTAGTAGCTGTTCAGTGTTCTTACTCCAGCC	660
Db	1566	CACATTCAATTATCTCCACCTTGGAACTAGTAGCTGTTCAGTGTTCTTACTCCAGCC	1625
Qy	661	TTTCTCCAAACCTCTTAATTCTAAGACAGTTGAAGACATCTCTTCATCGAGACTAAC	720
Db	1626	TTTCTCCAAACCTCTTAATTCTAAGACAGTTGAAGACATCTCTTCATCGAGACTAAC	1685
Qy	721	CCTACAGTTATGCAATGAGTACTGGAAGACCGAGATTTCTTACCTACCATATGTGGCAT	780
Db	1686	CCTACAGTTATGCAATGAGTACTGGAAGACCGAGATTTCTTACCTACCATATGTGGCAT	1745
Qy	781	TAACTTTTGTGACCAATCAGAAATTTGGCAAGAGCTGGTTTATTATTATAGACCTGGAG	840
Db	1746	TAACTTTTGTGACCAATCAGAAATTTGGCAAGAGCTGGTTTATTATTATAGACCTGGAG	1805
Qy	841	ATAGGGTAGCCTTGTGCTGTGTGGGAAGCTCAGTATCTGGGAACCAAGATGATG	900
Db	1806	ATAGGGTAGCCTTGTGCTGTGTGGGAAGCTCAGTATCTGGGAACCAAGATGATG	1865
Qy	901	CTATGTGCAAGAACCGGAGGCAATTTCCCACTGTCCATTTTGGAAAATTTCTAGAAA	960
Db	1866	CTATGTGCAAGAACCGGAGGCAATTTCCCACTGTCCATTTTGGAAAATTTCTAGAAA	1925
Qy	961	CTCTGAGGTTTAGCATTTCAAACTGAGCATGACAGACATGAGCTCGAATGAGAACAT	1020
Db	1926	CTCTGAGGTTTAGCATTTCAAACTGAGCATGACAGACATGAGCTCGAATGAGAACAT	1985
Qy	1021	TTATGTACTGGCCATCTAGTGTTCAGTTCAAGCTTGACAGCTTGCAAGTGTGTTTTT	1080
Db	1986	TTATGTACTGGCCATCTAGTGTTCAGTTCAAGCTTGACAGCTTGCAAGTGTGTTTTT	2045
Qy	1081	ATTATGTGGGTGCGCAATGATGATCTCAATGCTTTTGTGTGATAGTGTTGAGGTGTT	1140
Db	2046	ATTATGTGGGTGCGCAATGATGATCTCAATGCTTTTGTGTGATAGTGTTGAGGTGTT	2105
Qy	1141	GGGAATCTGGAGATGATTCATGGGTAGAACATGCCAAAGTGTTTCCAAAGTGTGAGTTCT	1200
Db	2106	GGGAATCTGGAGATGATTCATGGGTAGAACATGCCAAAGTGTTTCCAAAGTGTGAGTTCT	2165
Qy	1201	TGATACGAATGAAGGCCAAGAGTTTGTGATGAGATTCAAGGTAGATCTCATCTTC	1260
Db	2166	TGATACGAATGAAGGCCAAGAGTTTGTGATGAGATTCAAGGTAGATCTCATCTTC	2225
Qy	1261	TTGAACAGCTGTGTCAACTCAGATPACACGGAAGAGAAATATGCGAACCCACAATTA	1320
Db	2226	TTGAACAGCTGTGTCAACTCAGATPACACGGAAGAGAAATATGCGAACCCACAATTA	2285
Qy	1321	TTTCATTTTGGACCTGAGAAAGTTCTTCAGAAATGCTGTCAATGATGATACCACTGTGG	1380

Db	2286	TTCAATTTTGGACCTGGAGAAAGTTCTTTCAGAAAGATGCTGTTCATGATGAATACACCTGTGG	2345
Qy	1381	TTAAATCTGCTTGGAAATGGGCTTTTAATAGAACCTGGTGAACAAACAGTTCAAGTA	1444
Db	2346	TTAAATCTGCTTGGAAATGGGCTTTTAATAGAAGCTGGTGAACAAACAGTTCAAGTA	2405
Qy	1441	AAATCTGCACACTGGAGAACATAAACAATTATGATTTGTGCAGCACTTCTAA	1500
Db	2406	AAATCTGCACACTGGAGAACATAAACAAGTTATGATATTTGTGCAGCACTTCTTA	2465
Qy	1501	ATGCTGAAGATGAATAAAGAGAGAGAGAGAAAAACAAGCTGAAGAAATGGCATCAG	1566
Db	2466	ATGCTGAAGATGAATAAAGAGAGAGAGAGAAAAACAAGCTGAAGAAATGGCATCAG	2525
Qy	1561	ATGATTTGTCTATTAATTCGGAAGAACAGATGGCTCTCTTTCACAATGACATGTGTGC	1620
Db	2526	ATGATTTGTCTATTAATTCGGAAGAACAGATGGCTCTCTTTCACAATGACATGTGTGC	2585
Qy	1621	TTCCATCCTGATTAATCTTTTAAAGCCCATGTAAATTAATAACAGAACATGATATTA	1680
Db	2586	TTCCATCCTGATTAATCTTTTAAAGCCCATGTAAATTAATAACAGAACATGATATTA	2645
Qy	1681	TTAAACAAAAAACACAGATACCTTTTACAGCGAGAGAACTGATTGATACATTTGGTTA	1740
Db	2646	TTAAACAAAAAACACAGATACCTTTTACAGCGAGAGAACTGATTGATACATTTGGTTA	2705
Qy	1741	AAGAAATCTGCGGCCAACATCTTCAAAAACCTGTCTAAAGAAATGACTCAATTGT	1800
Db	2706	AAGAAATCTGCGGCCAACATCTTCAAAAACCTGTCTAAAGAAATGACTCAATTGT	2765
Qy	1801	ATAAGAACTTAATTTGTGATTAAGATATGAAGTATATCCAAACAGAAATGTTCAAGTC	1860
Db	2766	ATAAGAACTTAATTTGTGATTAAGATATGAAGTATATCCAAACAGAAATGTTCAAGTC	2825
Qy	1861	TGTCACTGGAAGAACAAATTGAGAGGTTGCAAGAAACGACTGTAAAGTGTATAG	1920
Db	2826	TGTCACTGGAAGAACAAATTGAGAGGTTGCAAGAAACGAACTGTAAAGTGTATAG	2885
Qy	1921	ACAAAGAAAGTTTCTGTTGTAATTTATTCCTTGTGTCACTGGTAGTATGCCAGGAATGTG	1980
Db	2886	ACAAAGAAAGTTTCTGTTGTAATTTATTCCTTGTGTCACTGGTAGTATGCCAGGAATGTG	2945
Qy	1981	CCCCTTCTTAAGAAATGCCCTATTTTGCAGGGGTATTAACAAGGTACTGTTCGTACAT	2040
Db	2946	CCCCTTCTTAAGAAATGCCCTATTTTGCAGGGGTATTAACAAGGTACTGTTCGTACAT	3005
Qy	2041	TTCTCTCTTAAGAAAAATAGTCTATATTTTAAACCTGCATAAAAAGGCTTTAAATATTT	2100
Db	3006	TTCTCTCTTAAGAAAAATAGTCTATATTTTAAACCTGCATAAAAAGGCTTTAAATATTT	3065
Qy	2101	GTTGAACACTGGAAGCCACTTAAGTAAAAAGGGAATTATGAGTTTCAATTAGTAAACA	2160
Db	3066	GTTGAACACTGGAAGCCACTTAAGTAAAAAGGGAATTATGAGTTTCAATTAGTAAACA	3125
Qy	2161	TTTCATGTTCTAGCTGCTTGGTACTAATCTTGTTCGAAAAAGATGGTATCATATA	2220
Db	3126	TTTCATGTTCTAGCTGCTTGGTACTAATCTTGTTCGAAAAAGATGGTATCATATA	3185
Qy	2221	TTTAACTTAATCTGTTTATTTTAAACAGGGAAGATTATGTTTGGTGAACATAATTAGTAT	2280
Db	3186	TTTAACTTAATCTGTTTATTTTAAACAGGGAAGATTATGTTTGGTGAACATAATTAGTAT	3245
Qy	2281	GTAATGTACCTTAAGGAGTAGTGTCACTGCTTGTATGACATATTCAGGAGTTACTGG	2340
Db	3246	GTAATGTACCTTAAGGAGTAGTGTCACTGCTTGTATGACATATTCAGGAGTTACTGG	3305
Qy	2341	ATTGTGTTCTTTCAGAAAGCTTGAATATCTAAATATATAGTAGAAGAAAGAACTGGAAA	2400
Db	3306	ATTGTGTTCTTTCAGAAAGCTTGAATATCTAAATATATAGTAGAAGAAAGAACTGGAAA	3365
Qy	2401	CCAGGAACCTGGAGTTTCATCAGAGTATATGGCCGAATGTCTTGGTGCTTTTCACTT	2460
Db	3366	CCAGGAACCTGGAGTTTCATCAGAGTATATGGCCGAATGTCTTGGTGCTTTTCACTT	3425

QY 2461 GTGTTTAAATAAGATTCTTCTTATTTCTCCCCAGTTTGTGAGAAACATCTCA 2520
DB 3426 GTGTTTAAATAAGATTCTTCTTATTTCTCCCCAGTTTGTGAGAAACATCTCA 3485
QY 2521 TAAAGTCTTAAATAAGATTCTTCTTATTTCTCCCCAGTTTGTGAGAAACATCTCA 2547
DB 3486 TAAAGTCTTAAATAAGATTCTTCTTATTTCTCCCCAGTTTGTGAGAAACATCTCA 3512

RESULT 4
US-09-212-971-7
Sequence 7, Application US/09212971B
Patent No. 6107041
GENERAL INFORMATION:
APPLICANT: Korneluk, Robert G
APPLICANT: Mackenzie, Alexander E
APPLICANT: Liston, Peter
APPLICANT: Baird, Stephen
APPLICANT: Tsang, Benjamin K
APPLICANT: Pratt, Christine
TITLE OF INVENTION: DETECTION AND MODULATION OF INPS AND
TITLE OF INVENTION: NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
FILE REFERENCE: 07891/009002
CURRENT APPLICATION NUMBER: US/09/212,971B
EARLIER FILING DATE: 1998-12-16
EARLIER APPLICATION NUMBER: 60/017,354
EARLIER FILING DATE: 1996-04-26
EARLIER APPLICATION NUMBER: 60/030,590
EARLIER FILING DATE: 1996-11-14
EARLIER APPLICATION NUMBER: 08/800,929
EARLIER FILING DATE: 1997-02-13
NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7
LENGTH: 3732
TYPE: DNA
ORGANISM: Homo sapiens
US-09-212-971-7

Query Match 97.9%; Score 2535.8; DB 3; Length 3732;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2540; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 TCTAAGTAGTATCTTGAATTCAGAGATCTATCTTACCTGATATTAACCTGAGAT 60
DB 1186 TCTAAGTAGTATCTTGAATTCAGAGATCTATCTTACCTGATATTAACCTGAGAT 1245
QY 61 AATCCAGTAAGAAGTGTAGTAATTCATATTAAGATCTATCTTATCTTTGG 120
DB 1246 AATCCAGTAAGAAGTGTAGTAATTCATATTAAGATCTATCTTATCTTTGG 1305
QY 121 TGTAAATAATCTTATCTATCTATGTAAGAAATTCATGTAATGTTTAGTATCAACAGC 180
DB 1306 TGTAAATAATCTTATCTATCTATGTAAGAAATTCATGTAATGTTTAGTATCAACAGC 1365
QY 181 ACTGTCACTACTCATGACAAACTGCTCCCAAGATTTTCCAGGTCCTGTATC 240
DB 1366 ACTGTCACTACTCATGACAAACTGCTCCCAAGATTTTCCAGGTCCTGTATC 1425
QY 241 AAAACATTAAGTATATGAAGATAGCAAGATCTTGCAGATTGACAAACAGCAACA 300
DB 1426 AAAACATTAAGTATATGAAGATAGCAAGATCTTGCAGATTGACAAACAGCAACA 1485
QY 301 AACAAAAATGAAGTATGATCTTCTCTGTGAATCTACAGAAATGTCTACATATCAACTT 360
DB 1486 AACAAAAATGAAGTATGATCTTCTCTGTGAATCTACAGAAATGTCTACATATCAACTT 1545
QY 361 TCCCGCGCGGGGTGCTGTCTGAGAAAGAGATCTTGTCTGTGCTGTTTATATACG 420
DB 1546 TCCCGCGCGGGGTGCTGTCTGAGAAAGAGATCTTGTCTGTGCTGTTTATATACG 1605

QY 421 GTGTGAATGACAAAGTCAAAATGCTTCTGTGTGCTGATGCTGATTAACCTGAACTAG 480
DB 1606 GTGTGAATGACAAAGTCAAAATGCTTCTGTGTGCTGATGCTGATTAACCTGAACTAG 1665
QY 481 GAGACAGTCTTATCAAAAGCATAAACAGCTATATCTAGCTGTAGCTTTATTCAGAAATC 540
DB 1666 GAGACAGTCTTATCAAAAGCATAAACAGCTATATCTAGCTGTAGCTTTATTCAGAAATC 1725
QY 541 TGTGTGAGTATGCTGGGATCCACTCTAAGAAATAGCTCTCCATGAGAAACAGTTTGG 600
DB 1726 TGTGTGAGTATGCTGGGATCCACTCTAAGAAATAGCTCTCCATGAGAAACAGTTTGG 1785
QY 601 CACATTATATCTCCACCTTGTGAACATATGATGTTTCAAGTGTCTTACCTCCAGCC 660
DB 1786 CACATTATATCTCCACCTTGTGAACATATGATGTTTCAAGTGTCTTACCTCCAGCC 1845
QY 661 TTTCTCAAAACCTCTTAATTTCTAGAGCAGTGAAGACATCTTTCATGAGACTAAC 720
DB 1846 TTTCTCAAAACCTCTTAATTTCTAGAGCAGTGAAGACATCTTTCATGAGACTAAC 1905
QY 721 CCTACAGTATGCAATGATGTAAGAAAGCCAGATTTCTTACCTACCATATGTGCCAT 780
DB 1906 CCTACAGTATGCAATGATGTAAGAAAGCCAGATTTCTTACCTACCATATGTGCCAT 1965
QY 781 TAACTTTTGTGACCATCAAGATTTGCAAGAGCTGTTTATATATAGACCTGAG 840
DB 1966 TAACTTTTGTGACCATCAAGATTTGCAAGAGCTGTTTATATATAGACCTGAG 2025
QY 841 ATAGGTAAGCTGCTTGTGCTGTGTGGAAGCTCATGTAACCTGGAACCAAGATGATG 900
DB 2026 ATAGGTAAGCTGCTTGTGCTGTGTGGAAGCTCATGTAACCTGGAACCAAGATGATG 2085
QY 901 CTATGTGAGAACACCGGAGGATTTTCCCACTGTCCATTTTGGAAATTTCTAGAAA 960
DB 2086 CTATGTGAGAACACCGGAGGATTTTCCCACTGTCCATTTTGGAAATTTCTAGAAA 2145
QY 961 CTCTGAGGTTTATGATTTCAATCTGAGACATGACACATGACCTGATGAGAACAT 1020
DB 2146 CTCTGAGGTTTATGATTTCAATCTGAGACATGACACATGACCTGATGAGAACAT 2205
QY 1021 TTATGTACTGCGCATCTATGTTTCAAGTTCAGCTTCAAGCTTGAAGTGTGTTT 1080
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DB 2266 ATTATGTGGTTCGCAATGATGATCAAAATGCTTTGTGTGATGTTGCTGAGTGT 2325
QY 1141 GGAATCTGAGATGATCATGGGTAGAACATGCAAGTGTTCGAAGGTGTGATCT 1200
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DB 2386 TGATAGCAATGAAGGCCAAGAGTTTGTGATGATGATTTCAAGTATATCTCTATCT 2445
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DB 2446 TTGAACAGCTGTTTCACTTCAATGATGATGATGATGATGATGATGATGATGATGAT 2505
QY 1321 TTGATTTTGAACCTGAGAAAGTTCTTCAAGAGATGCTGTATGATGATGATGATGAT 1380
DB 2506 TTGATTTTGAACCTGAGAAAGTTCTTCAAGAGATGCTGTATGATGATGATGATGAT 2565
QY 1381 TTAATCTGCTTGTGAAGATGAGGCTTTAATGAAGCTGCTGTAAGAAACAGTTCAAGTA 1440
DB 2566 TTAATCTGCTTGTGAAGATGAGGCTTTAATGAAGCTGCTGTAAGAAACAGTTCAAGTA 2625
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DB 2626 AAATCTGACATGAGAGATGATTAAGAAACAGTTAATGATATGTTGACAGCACTTCTA 2685
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2686 ATGCTGAAGATGAAAAAGAGAGAGAGAAAAACAAGCTGAAGAAATGGCATCAG 2745
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2746 ATGATTTGCTATTATTCGGAAGAACAGATGCTCTCTTCAACAATTGACATGTGTC 2805
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2806 TTCTATCCGATTAATCTTTAAAGGCAATGTAATTAATAACAGAACATGATTTA 2865
1681 TTTAAACAAAAACACAGATACCTTTTACAAGCAGAGAACTGATGATACCATTTGGTTA 1740
2866 TTTAAACAAAAACACAGATACCTTTTACAAGCAGAGAACTGATGATACCATTTGGTTA 2925
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2926 AAGGAATGCTGCGGCCAACATCTTCAAAAACTGCTTAAAGAAATGACTCTACATTTGT 2985
1801 ATTAAGACTATTTGTGATTAAGAAATAGATATTTCCACAGAGATGTTTCAGTTC 1860
2986 ATTAAGACTATTTGTGATTAAGAAATAGATATTTCCACAGAGATGTTTCAGTTC 3045
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3046 TGTCACTGGAAGAACATTAAGAGAGGTGCAAGAGAACTAACTGTAAGGTGTATGG 3105
1921 ACAAGAAAGTTTCTGTTGATTTATTTCTTGTGCTATCTGATGATGTCAGAAATGTG 1980
3106 ACAAGAAAGTTTCTGTTGATTTATTTCTTGTGCTATCTGATGATGTCAGAAATGTG 3165
1981 CCCCTTCTTAAGAAAAATGCCCCCTTATGAGGGGTATTAACAGGGTACTGTTGATCAT 2040
3166 CCCCTTCTTAAGAAAAATGCCCCCTTATGAGGGGTATTAACAGGGTACTGTTGATCAT 3225
2041 TTCTCTCTTAAGAAAAATAGCTATATTTTAACTGCAAAAAAGGCTTTAAATATTT 2100
3226 TTCTCTCTTAAGAAAAATAGCTATATTTTAACTGCAAAAAAGGCTTTAAATATTT 3285
2101 GTTGAACACTGGAAGCCATCTTAAGTAAAAAGGAAATTATGATTTTCAATTAGTAAACA 2160
3286 GTTGAACACTGGAAGCCATCTTAAGTAAAAAGGAAATTATGATTTTCAATTAGTAAACA 3345
2161 TTCAATGTTAGTCTGCTTGTGTAATAATCTTGTTCGAAAAAGTGTATCATATA 2220
3346 TTCAATGTTAGTCTGCTTGTGTAATAATCTTGTTCGAAAAAGTGTATCATATA 3405
2221 TTTAATCTTAATCTGTTTATTTTACAAGGAGATTTATGTTGGTGAACATAATTAGTAT 2280
3406 TTTAATCTTAATCTGTTTATTTTACAAGGAGATTTATGTTGGTGAACATAATTAGTAT 3465
2281 GTATGTGTAAGGAGAGATGTCATCTGTTGTAATGATCATTTTCAAGAGTTACTGG 2340
3466 GTATGTGTAAGGAGAGATGTCATCTGTTGTAATGATCATTTTCAAGAGTTACTGG 3525
2341 ATTTGTTCTTTCAGAAAGCTTGAATATACTAAATTATGTTAGTGAAGAAAGTGGAAA 2400
3526 ATTTGTTCTTTCAGAAAGCTTGAATATACTAAATTATGTTAGTGAAGAAAGTGGAAA 3585
2401 CCAGAACTGTGAGTTCATCAGAGTATGTCGCCAATGTTGTTGGTCTTTTCACTT 2460
3586 CCAGAACTGTGAGTTCATCAGAGTATGTCGCCAATGTTGTTGGTCTTTTCACTT 3645
2461 GTGTTTAAATAAGAGATTTTCTTATTTCTCCCTAGTTTGTGAAGAAATCTCAAA 2520
3646 GTGTTTAAATAAGAGATTTTCTTATTTCTCCCTAGTTTGTGAAGAAATCTCAAA 3705
2521 TAAAGTCTTAAAAAAGAAAAA 2547
3706 TAAAGTCTTAAAAAAGAAAAA 3732

RESULT 5

US-08-800-929A-7
; Sequence 7, Application US/08800929A
; Patent No. 6133437
; GENERAL INFORMATION:
; APPLICANT: Korneluk, Robert G
; APPLICANT: Mackenzie, Alexander B
; APPLICANT: Liston, Peter
; APPLICANT: Baird, Stephen
; APPLICANT: Teang, Benjamin K
; APPLICANT: Pratt, Christine
; TITLE OF INVENTION: DETECTION AND MODULATION OF
; TITLE OF INVENTION: IAPS AND NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Clark & Elbing LLP
; STREET: 176 Federal Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/800,929A
; FILING DATE: 13-FEB-1997
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/030,590
; FILING DATE: 14-NOV-1996
; APPLICATION NUMBER: 60/017,354
; FILING DATE: 26-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Bleker-Brady, Kristina
; REGISTRATION NUMBER:
; REFERENCE/DOCKET NUMBER: 07891/009001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-428-0200
; TELEFAX: 617-428-7045
; TELEX:
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3732 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-800-929A-7
Query Match 97.9%; Score 2535.8; DB 3; Length 3732;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2540; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
QY 1 TCTAAGTAGATCTTGGAAATTCAGAGAGATCTCATCTTACTGTAATATACTGAGAT 60
DB 1186 TCTAAGTAGATCTTGGAAATTCAGAGAGATCTCATCTTACTGTAATATACTGAGAT 1245
QY 61 AATCCAGTAAGAAAGTGTAGTAATTTCTACATAAGAGTCTATCATTTGTTTGG 120
DB 1246 AATCCAGTAAGAAAGTGTAGTAATTTCTACATAAGAGTCTATCATTTGTTTGG 1305
QY 121 TGTAAATAATCTTAGTTCATGTGAAGAAATTCATGTGAATGTTTATGCTATCAACAGC 180
DB 1306 TGTAAATAATCTTAGTTCATGTGAAGAAATTCATGTGAATGTTTATGCTATCAACAGT 1365
QY 181 ACTGCACCTACTCATGACAAACTGCTCCCAAGACTTTTCCAGAGTCCCTGATC 240
DB 1366 ACTGCACCTACTCATGACAAACTGCTCCCAAGACTTTTCCAGAGTCCCTGATC 1425
QY 241 AAAACATTAAAGATTAATGGAAGATAGCAAGATCTTGTCAATTGGAACAAACAGACA 300

Db	1426	AAAACATTAAAGGTATTAATGGAAGATAGCAGATCTTGTCAAGATTGGACAAACAGCAGACA	1485
Qy	301	AAACAAAAATGAAGTATGACTTTTCCGTGTAACCTTACAGATGTGTACATATTGCAACTT	360
Db	1486	AACAAAAAATGAAGTATGACTTTTCCGTGTAACCTTACAGATGTGTACATATTGCAACTT	1545
Qy	361	TCCCCCGCGGGTGCCTGTCTCAGAAAGGAGTCTTGCTGTGTGCTGGTTTATTAATAC	420
Db	1546	TCCCCCGCGGGTGCCTGTCTCAGAAAGGAGTCTTGCTGTGTGCTGGTTTATTAATAC	1605
Qy	421	GTGTGAATGACAAAGTCAAAATGCTTGTGTGTGGCTGAGTGTGATTAACGTGAAACTAG	480
Db	1606	GTGTGAATGACAAAGTCAAAATGCTTGTGTGTGGCTGAGTGTGATTAACGTGAAACTAG	1665
Qy	481	GAGACAGTCTTATTTCAAAAGCATTAACAGCTATATCTTA3CTGTAGCTTTATTCAGAAATC	540
Db	1666	GAGACAGTCTTATTTCAAAAGCATTAACAGCTATATCTTA3CTGTAGCTTTATTCAGAAATC	1725
Qy	541	TGGTTTGAAGTGTGCGGATTCACCTCTAAGAAATACGTCTCAATAGAAACAGTTT	600
Db	1726	TGGTTTGAAGTGTGCGGATTCACCTCTAAGAAATACGTCTCAATAGAAACAGTTT	1785
Qy	601	CACATTCAATTATTCCTCCACCTTGGAACAATAGTACGTGTTCAGTGTCTTATCTCAGCC	660
Db	1786	CACATTCAATTATTCCTCCACCTTGGAACAATAGTACGTGTGTTCAGTGTCTTATCTCAGCC	1845
Qy	661	TTTCTCCAAACCTCTTAATTCTAGAGCAGTTGAAGACATCTTTCATCGAGACTTAAC	720
Db	1846	TTTCTCCAAACCTCTTATTTCTAGAGCAGTTGAAGACATCTTTCATCGAGACTTAAC	1905
Qy	721	CCTACAGTTATGCAATGAGTACTGGAAGAACCCAGATTTCTTACCTACATATGTGGCAT	780
Db	1906	CCTACAGTTATGCAATGAGTACTGGAAGAACCCAGATTTCTTACCTACATATGTGGCAT	1965
Qy	781	TAACTTTTGTGACCATCAGAAATTTGGCAAGAGCTGTTTATTAATTAATGAGCCTGGAG	840
Db	1966	TAACTTTTGTGACCATCAGAAATTTGGCAAGAGCTGTTTATTAATTAATGAGCCTGGAG	2025
Qy	841	ATAGGGTAGCCTGTGCTTGTGCTGTGGGAAGCTCAGTAACCTGGGAACCAAGATGATG	900
Db	2026	ATAGGGTAGCCTGTGCTTGTGCTGTGGGAAGCTCAGTAACCTGGGAACCAAGATGATG	2085
Qy	901	CTATGTCAAGAACCCGAGGCAATTTTCCCACTGTCCATTTTGGAAAAATCTCTAGAAA	960
Db	2086	CTATGTCAAGAACCCGAGGCAATTTTCCCACTGTCCATTTTGGAAAAATCTCTAGAAA	2145
Qy	961	CTCTGAGGTTTACATTTCAAAATCTGAGCATGACACACATGCACTGTGATGAGAAAT	1020
Db	2146	CTCTGAGGTTTACATTTCAAAATCTGAGCATGACACACATGCACTGTGATGAGAAAT	2205
Qy	1021	TTATGTACTGGCCATCTAGTGTCCAGTTCAAGCCTGAGAGCTTGCAAGTGTGTTT	1080
Db	2206	TTATGTACTGGCCATCTAGTGTCCAGTTCAAGCCTGAGAGCTTGCAAGTGTGTTT	2265
Qy	1081	ATTATGTGGGTCCGAAATGATGATGTCAAATGCTTTGTTGTAGTGTGGCTTGAAGTGT	1140
Db	2266	ATTATGTGGGTCCGAAATGATGATGTCAAATGCTTTGTTGTAGTGTGGCTTGAAGTGT	2325
Qy	1141	GGGAATCTGGAGATGATCCATGGGTAGAACATGCGCAAGTGTCTTCCAGGTGTGATTT	1200
Db	2326	GGGAATCTGGAGATGATCCATGGGTAGAACATGCGCAAGTGTCTTCCAGGTGTGATTT	2385
Qy	1201	TGATACGAATGAAGGCCCAAGAGTTTGTGTGATGATTAAGGTAGATATCTCATCTTC	1260
Db	2386	TGATACGAATGAAGGCCCAAGAGTTTGTGTGATGATTAAGGTAGATATCTCATCTTC	2445
Qy	1261	TTGAACAGCTGTGTCAACTTCAGATPACCACTGGAGAGAAATGTCTGACCCACCAATTA	1320
Db	2446	TTGAACAGCTGTGTGTCAACTTCAGATPACCACTGGAGAGAAATGTCTGACCCACCAATTA	2505
Qy	1321	TTGATTTTGAACCTGGAGAAATTTCTTCAAGAAATGCTGTGCATGATGAATPACACCTGTGG	1380

Db	2506	TTTCATTTTGGACCTGGAGAAAGTTCTTCAGAAAGATGCTGTCATGATGAAATCACCTTGCG	2506
Qy	1381	TTAAATCTGCCCTTGGAAATGGGCTTTAATAGAGACCTTGTAACCAACAGTTCCAAAGTA	1440
Db	2566	TTAAATCTGCCCTTGGAAATGGGCTTTAATAGAGACCTTGTAACCAACAGTTCCAAAGTA	2625
Qy	1441	AAATCTGACAACTGAGAGAACTATNAAAAGTTAATGATATTTGTGTCAGACACTTCTAA	1500
Db	2626	AAATCTGACAACTGAGAGAACTATNAAAAGTTAATGATATTTGTGTCAGACACTTCTTA	2685
Qy	1501	ATGCTGAAGATGAAAAAGAGAGAGAGAAAGAAAAACAAGCTGAAGAAATGCAATCAG	1560
Db	2686	ATGCTGAAGATGAAAAAGAGAGAGAGAAAGAAAAACAAGCTGAAGAAATGCAATCAG	2745
Qy	1561	ATGATTTTGCTATTAATTCGGAGAAACAAGATGGGCTCTTTCAACAATTGACATGTGTGC	1620
Db	2746	ATGATTTTGCTATTAATTCGGAGAAACAAGATGGGCTCTTTCAACAATTGACATGTGTGC	2805
Qy	1621	TTCTATCTCGATTAATCTTTTAAAGGCCAATGTAATTAATTAACAGAAACATGATTTA	1680
Db	2806	TTCTATCTCGATTAATCTTTTAAAGGCCAATGTAATTAATTAACAGAAACATGATTTA	2865
Qy	1681	TTTAAACAAAAACAAGATACCTTTACAAAGCAGAGAACTGATTTGATACCATTTTGTTA	1740
Db	2866	TTTAAACAAAAACAAGATACCTTTACAAAGCAGAGAACTGATTTGATACCATTTTGTTA	2925
Qy	1741	AAGGAAATGCTGGGGCCAAATCTTCAAAAACTGCTAAAGAAATTGACTCTACATTGT	1800
Db	2926	AAGGAAATGCTGGGGCCAAATCTTCAAAAACTGCTAAAGAAATTGACTCTACATTGT	2985
Qy	1801	ATAGAATCTATTTTGGAATAAGATATGAAATATCCAAAGAGATGTTCAAGTTC	1860
Db	2986	ATAGAATCTATTTTGGAATAAGATATGAAATATCCAAAGAGATGTTCAAGTTC	3045
Qy	1861	TGTCACTGGAGAAACAATTGAGAGGTTGCCAAGAAACGAATCTGTAAAGTGTATGG	1920
Db	3046	TGTCACTGGAGAAACAATTGAGAGGTTGCCAAGAAACGAATCTGTAAAGTGTATGG	3105
Qy	1921	ACAAAGAGTTTCTGTTGATTTATTCCTTGTCATCTGTAATGTCAGGAATGTG	1980
Db	3106	ACAAAGAGTTTCTGTTGATTTATTCCTTGTCATCTGTAATGTCAGGAATGTG	3165
Qy	1981	CCCCCTCTTAAGAAAAATGCCCTATTTGAGAGGGTATATCAAGGTAATGTTCTGATCAT	2040
Db	3166	CCCCCTCTTAAGAAAAATGCCCTATTTGAGAGGGTATATCAAGGTAATGTTCTGATCAT	3225
Qy	2041	TTCTCTCTTAAAGAAAAATAGTCTAATTTTAACTGCAATAAAAAGCTTTAAATATTT	2100
Db	3226	TTCTCTCTTAAAGAAAAATAGTCTAATTTTAACTGCAATAAAAAGCTTTAAATATTT	3285
Qy	2101	GTTGAACACTTGAAGCCATCTAAAGTAAAGGAAATATGAGTTTTCAATTAGTAACA	2160
Db	3286	GTTGAACACTTGAAGCCATCTAAAGTAAAGGAAATATGAGTTTTCAATTAGTAACA	3345
Qy	2161	TTCAATGTTCTAGTCTGCTTTGGTACTAATATCTTGTTCGAAAAAGATGTAATATA	2220
Db	3346	TTCAATGTTCTAGTCTGCTTTGGTACTAATATCTTGTTCGAAAAAGATGTAATATA	3405
Qy	2221	TTTAATCTTAATCTGTTTATTTTAAAGGAGAAATTAATGTTTGTGAACATAATTAAT	2280
Db	3406	TTTAATCTTAATCTGTTTATTTTAAAGGAGAAATTAATGTTTGTGAACATAATTAAT	3466
Qy	2281	GTAATGTAACCTAAGGAGTATGTCACAGCTGCTGTTATGATCATTTTCAGAGTTACTGG	2346
Db	3466	GTAATGTAACCTAAGGAGTATGTCACAGCTGCTGTTATGATCATTTTCAGAGTTACTGG	3525
Qy	2341	ATTGTTGTTCTTTTCAAGAAAGCTTGAATCTAATATTAATATGTAAGAAAGACTGGAAA	2400
Db	3526	ATTGTTGTTCTTTTCAAGAAAGCTTGAATCTAATATTAATATGTAAGAAAGACTGGAAA	3585
Qy	2401	CCAGGAATCTGAGATTATCAGAGTTATGTGTCCGAATGTCTTTGGTCTTTCACTT	2466
Db	3586	CCAGGAATCTGAGATTATCAGAGTTATGTGTCCGAATGTCTTTGGTCTTTCACTT	3645

QY 2461 GTGTTTAAATAAGATTTTCTTATTCTCCCTAGTTGTGAGAAATCTGCA 2520
DB 3646 GTGTTTAAATAAGATTTTCTTATTCTCCCTAGTTGTGAGAAATCTGCA 3705
QY 2521 TAAAGTCTTTAAAAA 2547
DB 3706 TAAAGTCTTTAAAAA 3732

RESULT 6

US-09-617-053A-7
Sequence 7, Application US/09617053A
Patent No. 6300492
GENERAL INFORMATION:
APPLICANT: Korneluk, Robert G
APPLICANT: Mackenzie, Alexander E
APPLICANT: Liston, Peter
APPLICANT: Baird, Stephen
APPLICANT: Tsang, Benjamin K
APPLICANT: Pratt, Christine
TITLE OF INVENTION: DETECTION AND MODULATION OF IAPs AND
TITLE OF INVENTION: NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
TITLE OF INVENTION: DISEASE
FILE REFERENCE: 07891/009003
CURRENT APPLICATION NUMBER: US/09/617,053A
CURRENT FILING DATE: 2000-07-14
PRIOR FILING DATE: 1997-02-13
PRIOR APPLICATION NUMBER: US 08/800,929
NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7
LENGTH: 3732
TYPE: DNA
ORGANISM: Homo sapiens
US-09-617-053A-7

Query Match 97.9%; Score 2535.8; DB 4; Length 3732;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2540; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 TCTAGTAGATCTTGAATTCAGAGAGATCTACTCTACTGAATTAATAGAT 60
DB 1186 TCTAGTAGATCTTGAATTCAGAGAGATCTACTCTACTGAATTAATAGAT 1245
QY 61 AAATCCAGTAAAGAGAGTGTAGTAAATCTACATTAAGAGTCTATCTTTGG 120
DB 1246 AAATCCAGTAAAGAGAGTGTAGTAAATCTACATTAAGAGTCTATCTTTGG 1305
QY 121 TGTAAATCTTGTGATGTGAGAAATTCATGTGAATGTTTGTAGCTAAACAGC 180
DB 1306 TGTAAATCTTGTGATGTGAGAAATTCATGTGAATGTTTGTAGCTAAACAGT 1365
QY 181 ACTGCACTACTGATGCAAAATCTGCTCCCAAGACTTTCCAGAGTCCCTGATC 240
DB 1366 ACTGCACTACTGATGCAAAATCTGCTCCCAAGACTTTCCAGAGTCCCTGATC 1425
QY 241 AAAACATTAAAGATTAATGAAAGATGACGATCTTGTCAAGATTGACAAACAGACA 300
DB 1426 AAAACATTAAAGATTAATGAAAGATGACGATCTTGTCAAGATTGACAAACAGACA 1485
QY 301 AACAAAAATGAAGTATGATCTTCTCTGTAATCTCAAGATGTCTACATATTCACTT 360
DB 1486 AACAAAAATGAAGTATGATCTTCTCTGTAATCTCAAGATGTCTACATATTCACTT 1545
QY 361 TCCCGCGCGGAGTCTGTCTGAGAAAGAGTCTTGTGCGAGTCTTTTATTAATG 420
DB 1546 TCCCGCGCGGAGTCTGTCTGAGAAAGAGTCTTGTGCGAGTCTTTTATTAATG 1605
QY 421 GTGTGAATGACAGGTCAATGTTCTGTGTGCGCTGATGTGATTAATCTGAAACTAG 480
DB 1606 GTGTGAATGACAGGTCAATGTTCTGTGTGCGCTGATGTGATTAATCTGAAACTAG 1665

QY 481 GAGACAGTCTATTCAAAAGCATAAAGCTATATCTAGCTAGCTTTATTCAGATC 540
DB 1666 GAGACAGTCTATTCAAAAGCATAAAGCTATATCTAGCTAGCTTTATTCAGATC 1725
QY 541 TGGTTTCACTAGTCTGGGATCCACTTAAAGATACGTCTCCATGAGAAACAGTTTGG 600
DB 1726 TGGTTTCACTAGTCTGGGATCCACTTAAAGATACGTCTCCATGAGAAACAGTTTGG 1785
QY 601 CACATTCATTAATCTCCCACTTGAACATAGTCTGTTGAGTCTTACTCCAGCC 660
DB 1786 CACATTCATTAATCTCCCACTTGAACATAGTCTGTTGAGTCTTACTCCAGCC 1845
QY 661 TTTCTCCAAACCTTAAATCTTGAAGCAGTGAAGCATCTCTCATGAGGACTTAAC 720
DB 1846 TTTCTCCAAACCTTAAATCTTGAAGCAGTGAAGCATCTCTCATGAGGACTTAAC 1905
QY 721 CCTACAGTTATGCAATGATGACTGAAAGAGCCAGATTTCTTAACCTATATGCGCAT 780
DB 1906 CCTACAGTTATGCAATGATGACTGAAAGAGCCAGATTTCTTAACCTATATGCGCAT 1965
QY 781 TAACTTTTGTGACCATCAGAAATGGCAAGAGCTGTTTATTAATAGACCTGGAG 840
DB 1966 TAACTTTTGTGACCATCAGAAATGGCAAGAGCTGTTTATTAATAGACCTGGAG 2025
QY 841 ATAGGAGTACCTCTTGTGCTGTTGAGGAGTCACTAATCTGGGAAACAAAGATGATG 900
DB 2026 ATAGGAGTACCTCTTGTGCTGTTGAGGAGTCACTAATCTGGGAAACAAAGATGATG 2085
QY 901 CTATGTGAGAACCCGAGGAGCATTTTCCCACTGTCCATTTTGGAAAAATCTCTAGAAA 960
DB 2086 CTATGTGAGAACCCGAGGAGCATTTTCCCACTGTCCATTTTGGAAAAATCTCTAGAAA 2145
QY 961 CTCTGAGTTTACATTTCAAAATCTGAGATGACACATGACGCTGATAGAACAT 1020
DB 2146 CTCTGAGTTTACATTTCAAAATCTGAGATGACACATGACGCTGATAGAACAT 2205
QY 1021 TTAATGATGCGCATCTAGTGTCCAGTTCACTGAGCAGCTTCAAGTGTGTTT 1080
DB 2206 TTAATGATGCGCATCTAGTGTCCAGTTCACTGAGCAGCTTCAAGTGTGTTT 2265
QY 1081 ATTATGAGGTGCGCAATGATGATGCAAAATGCTTTGTGATGAGTGTGAGTGT 1140
DB 2266 ATTATGAGGTGCGCAATGATGATGCAAAATGCTTTGTGATGAGTGTGAGTGT 2325
QY 1141 GGGATCTGGAATGATCCATGCGGTGAGAACATGCCAAGTGTTCAGAGTGTGATCT 1200
DB 2326 GGGATCTGGAATGATCCATGCGGTGAGAACATGCCAAGTGTTCAGAGTGTGATCT 2385
QY 1201 TGATACGAATGAAGGCGCAAGTGTGTTGATGAGATTCAGAGTATCTCATCTTC 1260
DB 2386 TGATACGAATGAAGGCGCAAGTGTGTTGATGAGATTCAGAGTATCTCATCTTC 2445
QY 1261 TTGAACAGCTGTTGCAATTCAGATACCACTGAGAGAGAAATGCTGACCAATTA 1320
DB 2446 TTGAACAGCTGTTGCAATTCAGATACCACTGAGAGAGAAATGCTGACCAATTA 2505
QY 1321 TTCAATTTGAGCTGAGAAAGTCTTCAAGAAATGCTGTATGATTAACACTGTGG 1380
DB 2506 TTCAATTTGAGCTGAGAAAGTCTTCAAGAAATGCTGTATGATTAACACTGTGG 2565
QY 1381 TTAATCTGCTTGAAGATGAGCTTTAATAGAGACTGTGTAACAAAGTCAAGTA 1440
DB 2566 TTAATCTGCTTGAAGATGAGCTTTAATAGAGACTGTGTAACAAAGTCAAGTA 2625
QY 1441 AAATCTGACACTGAGAGAACTAATTAACAGTTAATGATATGTGACACTTCTAA 1500
DB 2626 AAATCTGACACTGAGAGAACTAATTAACAGTTAATGATATGTGACACTTCTAA 2685
QY 1501 ATGCTGAAGTGAAGAAAGAGAGAGAGAAAGAAACAAAGCTGAAGAAATGCGATCAG 1560
DB 2686 ATGCTGAAGTGAAGAAAGAGAGAGAGAAAGAAACAAAGCTGAAGAAATGCGATCAG 2745
QY 1561 ATGATTTGTCAATTAATTCGAGAAAGAAAGATGAGTCTCTTTCAACATTTGACATGTGTC 1620

DB 2746 ATGATTTGTCTTAATTCGGAAGACAGAAATGGCTCTCTTCAACAATTTGACATGTGTC 2805
QY 1621 TTCCCTATCTTGATATCTTTTAAAGCCCAATGTATTTATTAACAAGAACATGATATTA 1680
DB 2806 TTCCCTATCTTGATATCTTTTAAAGCCCAATGTATTTATTAACAAGAACATGATATTA 2865
QY 1681 TTAACAAAAACACAGATACCTTTACAGCGAGAGAACTGATGATACATTTTGTGTTA 1740
DB 2866 TTAACAAAAACACAGATACCTTTACAGCGAGAGAACTGATGATACATTTTGTGTTA 2925
QY 1741 AAGAAATGCTGCGCCCAACATCTTCAAAAACTGTCTAAAGAAATTTGACTTACATTTG 1800
DB 2926 AAGAAATGCTGCGCCCAACATCTTCAAAAACTGTCTAAAGAAATTTGACTTACATTTG 2985
QY 1801 ATTAAGACTTATTTGTGATATGAATATGAATATTTCAACAAGAAATTTGAGGTC 1860
DB 2986 ATTAAGACTTATTTGTGATATGAATATGAATATTTCAACAAGAAATTTGAGGTC 3045
QY 1861 TGTCACTGGAAGAACATTTGAGAGGTTGCAAGAAACGAACTTTGTAAGTGTATGG 1920
DB 3046 TGTCACTGGAAGAACATTTGAGAGGTTGCAAGAAACGAACTTTGTAAGTGTATGG 3105
QY 1921 ACAAGAAGTTTCTGTGTATTTATTTCTTGTGTATCTTGTATGATGATGATGATG 1980
DB 3106 ACAAGAAGTTTCTGTGTATTTATTTCTTGTGTATCTTGTATGATGATGATGATG 3165
QY 1981 CCCCCTCTAAGAAATGCCCCATTTTGCAGGGGTATTAATCAAGGGTACTGTTGATCAT 2040
DB 3166 CCCCCTCTAAGAAATGCCCCATTTTGCAGGGGTATTAATCAAGGGTACTGTTGATCAT 3225
QY 2041 TTCTCTCTTAAAGAAATAGCTATATTTTAACTGCAATAAAGGCTTTTAAATATTT 2100
DB 3226 TTCTCTCTTAAAGAAATAGCTATATTTTAACTGCAATAAAGGCTTTTAAATATTT 3285
QY 2101 GTTGAACACTTGAAGCCATCTAAAGTAAAGAAAGAAATTAAGAGTTTTCATTAAGTACA 2160
DB 3286 GTTGAACACTTGAAGCCATCTAAAGTAAAGAAAGAAATTAAGAGTTTTCATTAAGTACA 3345
QY 2161 TTCAATGTTCTAGCTGCTTGTGTATTAATCTTGTGTATCTTGTGTATCTTGTATCATATA 2220
DB 3346 TTCAATGTTCTAGCTGCTTGTGTATTAATCTTGTGTATCTTGTGTATCTTGTATCATATA 3405
QY 2221 TTCAATGTTCTAGCTGCTTGTGTATTAATCTTGTGTATCTTGTGTATCTTGTATCATATA 2280
DB 3406 TTCAATGTTCTAGCTGCTTGTGTATTAATCTTGTGTATCTTGTGTATCTTGTATCATATA 3465
QY 2281 GTATGTGATCTTAAGGAGTATGATCTGCTGTTGATGATCATATTTCAAGAGTTTACTGG 2340
DB 3466 GTATGTGATCTTAAGGAGTATGATCTGCTGTTGATGATCATATTTCAAGAGTTTACTGG 3525
QY 2341 ATTGTTGTTCTTCAAGAACTTTGAATATTAATTAAGTGTAGAAAAAGAACTGAAA 2400
DB 3526 ATTGTTGTTCTTCAAGAACTTTGAATATTAATTAAGTGTAGAAAAAGAACTGAAA 3585
QY 2401 CCAGAACTCTGAGATTCATCAGAGTATGATGCGCAATGCTTTGCTGCTTTCACTT 2460
DB 3586 CCAGAACTCTGAGATTCATCAGAGTATGATGCGCAATGCTTTGCTGCTTTCACTT 3645
QY 2461 GTGTTTAAATAAGATTTTCTCTTATTTTCTCCCTAGTTTGTGAGAAACATCTCA 2520
DB 3646 GTGTTTAAATAAGATTTTCTCTTATTTTCTCCCTAGTTTGTGAGAAACATCTCA 3705
QY 2521 TAAAGTCTTTAAAGAAAAAA 2547
DB 3706 TAAAGTCTTTAAAGAAAAAA 3732

RESULT 7
US-08-511-485-7
Sequence 7, Application US/08511485
Patent No. 5919912
GENERAL INFORMATION:

APPLICANT: Kornejuk, Robert G.
APPLICANT: Mackenzie, Alexander B.
APPLICANT: Baird, Stephen
TITLE OF INVENTION: MAMMALIAN IAP GENE FAMILY, PRIMERS,
TITLE OF INVENTION: PROBES, AND DETECTION METHODS
NUMBER OF SEQUENCES: 38
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/511,485
FILING DATE: 04-AUG-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Paul T.
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 07540/002001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 2580 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULE TYPE: DNA (genomic)
US-08-511-485-7
Query Match 97.1%; Score 2514.8; DB 2; Length 2580;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 2522; Conservative 0; Mismatches 14; Indels 0; Gaps 0;
QY 1 TCTAAGTATGATCTTGAAGAAATTCAGAGAGATCTATCTTACTGATATTAACAGAT 60
DB 44 TCTAAGTATGATCTTGAAGAAATTCAGAGAGATCTATCTTACTGATATTAACAGAT 103
QY 61 AATCCAGTAAAGAAAGTATGATTAATTCATACATTAAGATCTATCTTACTGATATTAACAGAT 120
DB 104 AATCCAGTAAAGAAAGTATGATTAATTCATACATTAAGATCTATCTTACTGATATTAACAGAT 163
QY 121 TGGTAAATCTTATGATCATGTGAAGAAATTCATGTGAATGTTTACTATGAACAGC 180
DB 164 TGGTGAATATCTTATGATCATGTGAAGAAATTCATGTGAATGTTTACTATGAACAGC 223
QY 181 ACTGTACCTTACTCATGACAAACTGCTCCCAAGACTTTTCCAGGTCCTGATC 240
DB 224 ACTGTACCTTACTCATGACAAACTGCTCCCAAGACTTTTCCAGGTCCTGATC 283
QY 241 AAAACATTAAGATATTAAGTGAAGATGACAGATCTTGTCAAGATTTGACAAACAGACA 300
DB 284 AAAACATTAAGATATTAAGTGAAGATGACAGATCTTGTCAAGATTTGACAAACAGACA 343
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DB 344 AACAAAAATGAAGTATGATCTTTCTGTGAACTCAAGATGCTACATATTTCAACTT 403
QY 361 TCCCGCGCGGGTCTGCTGTCTCAGAAAGAGTCTTGTCTGCTGCTGCTTTTATATACG 420
DB 404 TCCCGCGCGGGTCTGCTGTCTCAGAAAGAGTCTTGTCTGCTGCTGCTTTTATATACG 463
QY 421 GTGTGAATGACAAAGTCAATGCTTCTGTGTGTGCTGATGCTGATTAACGAAACTG 480


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Patent No. 6541457
GENERAL INFORMATION:
APPLICANT: Korneluk, Robert G.
APPLICANT: Mackenzie, Alexander E.
APPLICANT: Baird, Stephen
APPLICANT: Liston, Peter
TITLE OF INVENTION: MAMMALIAN IAP GENE FAMILY, PRIMERS,
FILE REFERENCE: 07891/003003
CURRENT FILING DATE: 1998-12-01
EARLIER FILING DATE: 1998-02-04
EARLIER FILING DATE: 1996-08-05
EARLIER FILING DATE: 1995-12-22
EARLIER FILING DATE: 1995-08-04
NUMBER OF SEQ ID NOS: 45
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 7
LENGTH: 2580
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: variation
LOCATION: (2412)...(2412)
OTHER INFORMATION: N may be any nucleotide
US-09-201-936-7

Query Match      97.1%; Score 2514.8; DB 4; Length 2580;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 2522; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 1 TCTAAGTAGTATTTGGAAATTCAGAGAGATCTCATCTCCAGATATTAAGTAGAT 60
DB 44 TCTAAGTAGTATTTGGAAATTCAGAGAGATCTCATCTCCAGATATTAAGTAGAT 103
QY 61 AATCCAGTAAAGAAAGTAGTAAATTCATATAGAGTCTATCATTTCTTTGG 120
DB 104 AATCCAGTAAAGAAAGTAGTAAATTCATATAGAGTCTATCATTTCTTTGG 163
QY 121 TGGTAAAAATCTTAGTATGATGAGAAATTCATGTAATGTTTAGCTATCAACAGC 180
DB 164 TGGTAAAAATCTTAGTATGATGAGAAATTCATGTAATGTTTAGCTATCAACAGC 223
QY 181 ACTGTCACTACTCATGACAAACCTGCTCCCAAGACTTTTCCAGGTCCCTGTATC 240
DB 224 ACTGTCACTACTCATGACAAACCTGCTCCCAAGACTTTTCCAGGTCCCTGTATC 283
QY 241 AAAACATTAAAGATATAATGAAAGATAGACGATCTTGTGAGATTGACAAACAGACA 300
DB 284 AAAACATTAAAGATATAATGAAAGATAGACGATCTTGTGAGATTGACAAACAGACA 343
QY 301 AAAACAAAATGAAGTATGACTTTTCTGTGAACTCTAAGAGATGCTATATTAAGCTT 360
DB 344 AAAACAAAATGAAGTATGACTTTTCTGTGAACTCTAAGAGATGCTATATTAAGCTT 403
QY 361 TCCCGCGCGGGGTGCTGTCTGAGAAAGAGTCTGCTGTGCTGTTTATTAAGTACTG 420
DB 404 TCCCGCGCGGGGTGCTGTCTGAGAAAGAGTCTGCTGTGCTGTTTATTAAGTACTG 463
QY 421 GTGTGAATGACAAAGTCAATGCTTCTGTGTGCTGTGATGCTGATTAACAGGAATAG 480
DB 464 GTGTGAATGACAAAGTCAATGCTTCTGTGTGCTGTGATGCTGATTAACAGGAATAG 523
QY 481 GAGACAGTCTTATTAATTAAGCATTAACAGCTATATCTAGCTGTAGCTTTATTCAGATC 540
DB 524 GAGACAGTCTTATTAATTAAGCATTAACAGCTATATCTAGCTGTAGCTTTATTCAGATC 583
QY 541 TGGTTACAGTAGTCTGGATCCACTCTAAGATACGTCCTCAATGAGAAACAGTTTGG 600
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DB 584 TGGTTACAGTAGTCTGGATCCACTCTAAGATACGTCCTCAATGAGAAACAGTTTGG 643
QY 601 CACATTCATATCTCCCACTTGGAAACATAGTAGCTTGTTCAGTGTCTTACTCCAGCC 660
DB 644 CACATTCATATCTCCCACTTGGAAACATAGTAGCTTGTTCAGTGTCTTACTCCAGCC 703
QY 661 TTTCTCCAAACCTCTTAATTTCTAGAGAGTGAAGACATCTTCTATTCGAGAGCTAAC 720
DB 704 TTTCTCCAAACCTCTTAATTTCTAGAGAGTGAAGACATCTTCTATTCGAGAGCTAAC 763
QY 721 CCTACAGTTATGCAATGAGTACTGAGAAAGCCAGATTTCTTACCTATATATAGGAGCTG 780
DB 764 CCTACAGTTATGCAATGAGTACTGAGAAAGCCAGATTTCTTACCTATATATAGGAGCTG 823
QY 781 TAACCTTTTGTCAACCATAGATGAGAAATGGCAAGCTGTTTTATATATAGGAGCTGAG 840
DB 824 TAACCTTTTGTCAACCATAGATGAGAAATGGCAAGCTGTTTTATATATAGGAGCTGAG 883
QY 841 ATAGGAGTACCTGCTTGTGCTGTGTGAGAGTCAAGTACCTGAGAAACCAAGAGTAGT 900
DB 884 ATAGGAGTACCTGCTTGTGCTGTGTGAGAGTCAAGTACCTGAGAAACCAAGAGTAGT 943
QY 901 CTATGTCAAGAACCCGAGGAGCAATTTCCCACTGTCCATTTTGGAAAATCTCTAGAAA 960
DB 944 CTATGTCAAGAACCCGAGGAGCAATTTCCCACTGTCCATTTTGGAAAATCTCTAGAAA 1003
QY 961 CTCTGAGGTTTAAAGATTTTCAATCTGAGATGAGACACATGAGCTCGAATGAGAACAT 1020
DB 1004 CTCTGAGGTTTAAAGATTTTCAATCTGAGATGAGACACATGAGCTCGAATGAGAACAT 1063
QY 1021 TTATGTACTGGCCATCTAGTGTTCAGTTCAGCTGAGAGAGCTTGCAGAGTGTGTTT 1080
DB 1064 TTATGTACTGGCCATCTAGTGTTCAGTTCAGCTGAGAGAGCTTGCAGAGTGTGTTT 1123
QY 1081 ATTATGTGGGTGCAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1140
DB 1124 ATTATGTGGGTGCAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1183
QY 1141 GGAATCTGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1200
DB 1184 GGAATCTGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1243
QY 1201 TGATAGGAATGAAGGCCAAGAGTTTGTGATGATGATGATGATGATGATGATGATGATG 1260
DB 1244 TGATAGGAATGAAGGCCAAGAGTTTGTGATGATGATGATGATGATGATGATGATGATG 1303
QY 1261 TTGAACAGCTGTGTGATCACTTCAATCCACTGAGAAAGAAATGCTGACCCCAATTA 1320
DB 1304 TTGAACAGCTGTGTGATCACTTCAATCCACTGAGAAAGAAATGCTGACCCCAATTA 1363
QY 1321 TTCAATTTGGAAGCTGAGAAAGTTCTTCAAGAGATGCTGATGATGATGATGATGATG 1380
DB 1364 TTCAATTTGGAAGCTGAGAAAGTTCTTCAAGAGATGCTGATGATGATGATGATGATG 1423
QY 1381 TTAATCTGCTTGAAGTGGCTTTAATGAGAGCTGTGAAACAAACAGTTCAAGATA 1440
DB 1424 TTAATCTGCTTGAAGTGGCTTTAATGAGAGCTGTGAAACAAACAGTTCTAAGTA 1483
QY 1441 AAATCTGCAAACTGAGAGAACTTAAATCAAGTAAATGATATGTTGTGACACTTTAA 1500
DB 1484 AAATCTGCAAACTGAGAGAACTTAAATCAAGTAAATGATATGTTGTGACACTTTAA 1543
QY 1501 ATGCTGAAGATGAAAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1560
DB 1544 ATGCTGAAGATGAAAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1603
QY 1561 ATGATTTGTCAATTAATTCGAGAGAACAGAAATGCTCTCTTCAACAAATGACATGTGTC 1620
DB 1604 ATGATTTGTCAATTAATTCGAGAGAACAGAAATGCTCTCTTCAACAAATGACATGTGTC 1663
QY 1621 TTCTATCTGATTAATCTTTTAAAGGCCAATGTAATTAATTAACAGAGACATGATATTA 1680
DB 1664 TTCTATCTGATTAATCTTTTAAAGGCCAATGTAATTAATTAACAGAGACATGATATTA 1723
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QY 1681 TTAAACAAAAACAGATACCTTTACAGCGAGAGACATGATGATACCATTTGGTTA 1740
DB 1724 TTAACAAAAACACAGATACCTTTACAGCGAGAGACATGATGATACCATTTGGTTA 1783
QY 1741 AAGAAATGCTGGGGCCAACTTTCAAAACTGCTAAMAGAAATGACTCTACATTTG 1800
DB 1784 AAGAAATGCTGGGGCCAACTTTCAAAACTGCTAAMAGAAATGACTCTACATTTG 1843
QY 1801 ATAGAACTTATTTGTGATTAAGATTAAGATATATTCACAGAAATGTTTCAGGTC 1860
DB 1844 ATAGAACTTATTTGTGATTAAGATTAAGATATATTCACAGAAATGTTTCAGGTC 1903
QY 1861 TGTCACTGGAGAACATTTGAGAGGTTGCAAGAACGAACTTGAAGTGTGTATG 1920
DB 1904 TGTCACTGGAGAACATTTGAGAGGTTGCAAGAACGAACTTGAAGTGTGTATG 1963
QY 1921 ACAAGAAAGTTTCTGTTGATTTATTTCTTGTGTCATCTGCTAGTATGCCAGAAATG 1980
DB 1964 ACAAGAAAGTTTCTGTTGATTTATTTCTTGTGTCATCTGCTAGTATGCCAGAAATG 2023
QY 1981 CCCCTTCTTAAGAAATGCCCCCTATTGTCAGGGGATTAATCAAGGCTACTGTTCTACAT 2040
DB 2024 CCCCTTCTTAAGAAATGCCCCCTATTGTCAGGGGATTAATCAAGGCTACTGTTCTACAT 2083
QY 2041 TTCTCTCTTAAGAAATAGCTATATTTTAACTGTCATTAAGAGTCTTTAAATAT 2100
DB 2084 TTCTCTCTTAAGAAATAGCTATATTTTAACTGTCATTAAGAGTCTTTAAATAT 2143
QY 2101 GTTGAACACTTGAAGCCATCTTAAGTAAAGGAAATTAATTAAGTTTCAATTAGTACA 2160
DB 2144 GTTGAACACTTGAAGCCATCTTAAGTAAAGGAAATTAATTAAGTTTCAATTAGTACA 2203
QY 2161 TTCAATGTTCTAGTCTGCTTTGTGATTAATCTTTTCGAAAAAGATGATCATATA 2220
DB 2204 TTCAATGTTCTAGTCTGCTTTGTGATTAATCTTTTCGAAAAAGATGATCATATA 2263
QY 2221 TTTAATCTTAATCTGTTTATTTACAAGGAAATTTATGTTGTGGAATATATTAGTAT 2280
DB 2264 TTTAATCTTAATCTGTTTATTTACAAGGAAATTTATGTTGTGGAATATATTAGTAT 2323
QY 2281 GTATGTGATCTTAAGGAGTATGTCATGCTGTTGTTATGCAATTTCAAGAGTTACTG 2340
DB 2324 GTATGTGATCTTAAGGAGTATGTCATGCTGTTGTTATGCAATTTCAAGAGTTACTG 2383
QY 2341 ATTTGTTCTTTTCAAGAAAGCTTTGAATATACTAATTAATGATGTAAGAAAGAACTGAAA 2400
DB 2384 ATTTGTTCTTTTCAAGAAAGCTTTGAATATACTAATTAATGATGTAAGAAAGAACTGAAA 2443
QY 2401 CCAGAACTCTGAGATCATCAGATTAATGTCGCGAATGCTTTGTGCTTTTCACTT 2460
DB 2444 CCAGAACTCTGAGATCATCAGATTAATGTCGCGAATGCTTTGTGCTTTTCACTT 2503
QY 2461 GTGTTTAAATAAGATTTTCTTTATTTCTCCCTTGTGTTGTAAGAAACATCTCAA 2520
DB 2504 GTGTTTAAATAAGATTTTCTTTATTTCTCCCTTGTGTTGTAAGAAACATCTCAA 2563
QY 2521 TAAAGTCTTTAAAAA 2536
DB 2564 TAAAGTCTTTAAAAA 2579

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RESULT 9
PCT-US95-05922A-1

Sequence 1, Application PC/TUS9505922A
GENERAL INFORMATION:
APPLICANT: HE, ET AL.
TITLE OF INVENTION: Human Inhibitor of Apoptosis gene 1
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESSES:
ADDRESSES: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESSES: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD

```

CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/05922A
FILING DATE: 11 MAY 1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: FERRARO, GREGORY D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 325800-292
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1435 BASE PAIRS
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: CDNA
PCT-US95-05922A-1

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Query Match 55.2%; Score 1430.2; DB 5; Length 1435;
Best Local Similarity 99.8%; Pred. No. 8.9e-297;
Matches 1432; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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QY 726 AGTTATGCAATGATGATCTGAAGAGCCAGATTTCTTACCTACCATATGAGCCATTAACT 785
DB 1 AGTTATGCAATGATGATCTGAAGAGCCAGATTTCTTACCTACCATATGAGCCATTAACT 60
QY 786 TTTTGTACCAATCAGAAATGCGAAGAGCTGTTTATTAATTAAGACTGTGAGATAG 845
DB 61 TTTTGTACCAATCAGAAATGCGAAGAGCTGTTTATTAATTAAGACTGTGAGATAG 120
QY 846 GTAGCTGCTTTCCTGCTGTGTGGAAGCTCAATTAATGGAACCAAGATGATGCTATG 905
DB 121 GTAGCTGCTTTCCTGCTGTGTGGAAGCTCAATTAATGGAACCAAGATGATGCTATG 180
QY 906 TCAGAACACCGGAGGATTTTCCCACTGTCATTTTGGAAAAATCTCTAGAAACTCTG 965
DB 181 TCAGAACACCGGAGGATTTTCCCACTGTCATTTTGGAAAAATCTCTAGAAACTCTG 240
QY 966 AGGTTTGAATTTCAATCTGAGCATGAGCATGACATGCACTGCAATGAGAACTTTATG 1025
DB 241 AGGTTTGAATTTCAATCTGAGCATGAGCATGACATGCACTGCAATGAGAACTTTATG 300
QY 1026 TACTGGCATCTAGTGTTCAGCTTCAAGCTGAGCAGCTTCAAGTGTGTTTATTAAT 1085
DB 301 TACTGGCATCTAGTGTTCAGCTTCAAGCTGAGCAGCTTCAAGTGTGTTTATTAAT 360
QY 1086 GTGGGTGCAATGATGATGTCATTAATGCTTTTGTGTGATGATGCTTGAAGTGTGGAA 1145
DB 361 GTGGGTGCAATGATGATGTCATTAATGCTTTTGTGTGATGATGCTTGAAGTGTGGAA 420
QY 1146 TCTGAGATGATTCATGAGTGAAGATGCAAGTGTGTTTCAAGGTGTGAGTCTTGATA 1205
DB 421 TCTGAGATGATTCATGAGTGAAGATGCAAGTGTGTTTCAAGGTGTGAGTCTTGATA 480
QY 1206 CGAATGAAGGCCAAGATTTGTTGATGATGATTAAGATTAATCCATCTCTTGA 1265
DB 481 CGAATGAAGGCCAAGATTTGTTGATGATGATTAAGATTAATCCATCTCTTGA 540
QY 1266 CAGCTGTTGCACTTCAATTAACCATGAGAGAGAAATGCTGACCAACCAATTAATTAAT 1325

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Db      541 CAGCTGTGTCACTTCAGATACCACTGGAGAGAAAAGCTGACCCCAATTATTCAT 600
Qy      1326 TTGGACCTGGAGAAAGTCTTCAGAGATGCTGTCATGTAATACACCTGTGTTAA 1385
Db      601 TTGGACCTGGAGAAAGTCTTCAGAGATGCTGTCATGTAATACACCTGTGTTAA 660
Qy      1386 TCTGCTTGGAAATGGCTTTATAGAGACCTGTGTAACAACAGTTCAGAGTAAATC 1445
Db      661 TCTGCTTGGAAATGGCTTTATAGAGACCTGTGTAACAACAGTTCAGAGTAAATC 720
Qy      1446 CTGACACTGGAGAGAACTATATAACAGTATATGATGTCAGCACTTCTTAATGCT 1505
Db      721 CTGACAACTGGAGAGAACTATATAACAGTATATGATGTCAGCACTTCTTAATGCT 780
Qy      1506 GAAAGATGAAAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAT 1565
Db      781 GAAAGATGAAAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAT 840
Qy      1566 TTGTCATTAATTCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAT 1625
Db      841 TTGTCATTAATTCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAT 900
Qy      1626 ATCTGATTAATTCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAT 1685
Db      901 ATCTGATTAATTCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAT 960
Qy      1686 CAAAAACACAGATACCTTTACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAT 1745
Db      961 CAAAAACACAGATACCTTTACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAT 1020
Qy      1746 AATGCTGCGGCCAATCTTCAAAAAGTGTCTAAAGAAATGAGCTCACTGATTAAG 1805
Db      1021 AATGCTGCGGCCAATCTTCAAAAAGTGTCTAAAGAAATGAGCTCACTGATTAAG 1080
Qy      1806 AACTTATTTGTGATAGATATGAGATATGAGATATGAGATATGAGATATGAGATAT 1865
Db      1081 AACTTATTTGTGATAGATATGAGATATGAGATATGAGATATGAGATATGAGATAT 1140
Qy      1866 CTGAGAGAGAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAT 1925
Db      1141 CTGAGAGAGAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAT 1200
Qy      1926 GAAATTTCTGTGTATTTATTCCTGTGTGTCATCTGTGTGTCATCTGTGTGTCAT 1985
Db      1201 GAAATTTCTGTGTATTTATTCCTGTGTGTCATCTGTGTGTCATCTGTGTGTCAT 1260
Qy      1986 TCTCTAAGAAAATGCCCTATTTGAGGGGTATTAATCAAGGGTACTGTTGATCAATTC 2045
Db      1261 TCTCTAAGAAAATGCCCTATTTGAGGGGTATTAATCAAGGGTACTGTTGATCAATTC 1320
Qy      2046 TCTTAAGAAAAATAGCTATATTTTAACCTGCAATAAAAGTCTTTAAATATTTGTA 2105
Db      1321 TCTTAAGAAAAATAGCTATATTTTAACCTGCAATAAAAGTCTTTAAATATTTGTA 1380
Qy      2106 ACACTTGAAGCCATCTAAGTAAAAAGGAAATGAGTTTTCATTAAGTAAACA 2160
Db      1381 ACACTTGAAGCCATCTAAGTAAAAAGGAAATGAGTTTTCATTAAGTAAACA 1435

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RESULT 10
US-08-569-749-13
; Sequence 13, Application US/08569749
; Patent No. 6187557
; GENERAL INFORMATION:
; APPLICANT: Goedel, David V
; APPLICANT: Rothe, Mike
; TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOEBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco

```

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; STATE: California
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/569,749
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Brezner, David J.
; REGISTRATION NUMBER: 24,774
; REFERENCE/DOCKET NUMBER: A-62464/DJB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415)781-1989
; TELEFAX: (415)398-3249
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2862 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-569-749-13

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Query Match      52.0%; Score 1345.2; DB 3; Length 2862;
Best Local Similarity 76.6%; Pred. No. 1.6e-278;
Matches 1844; Conservative 0; Mismatches 483; Indels 79; Gaps 13;

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Qy      140 TGTGAAGAAATTTCAATGATGATTTTACTATCAACAGCACTGTCACTACTCAGCA 199
Db      420 TGGTGAAGAACTTCATCTGGAAGTTTAAAGCGTCAAGAAATACTATT--ACTACTCATGCA 477
Qy      200 CAAACTGCTCCCAAGAGCTTTTCCAGGTCCCTGATCAAAAACATTAAGATATAT 259
Db      478 CAAACTGCTCCCAAGAGATCGGCGAAGTACTCTTACCAAAAACATTAAGATATAT 537
Qy      260 GGAAGATGACAGATCTTGTGAGATGGAACAACAGCAACAACAAAATGAGATGA 319
Db      538 GGAAGAGAGCAATCTTGTGCAAAATTTGACAAAGAGAGCGAAGAAAATGAGATTTGA 597
Qy      320 CTTTTCGTGAACTCTACAGATGTCATATTAATCACTTTCCCGCGGGGTGCTGT 379
Db      598 CTTTTCGTGAACTCTACCGAATGTCATATTAATCACTTTCCCGGGGATTCCTGT 657
Qy      380 CTCAGAAAGAGATCTTGTGCTGCTGCTTTTATTAATGCTGTAATGACAGATCAA 439
Db      658 CTCAGAGAGAGATGCTGCTGCTGCTTTTATTAATGAGGTGTAATGACAAAGTCAA 717
Qy      440 ATGCTTCTGTGTGCGCTGATGCTGATTAACCTGGAACAGTCAATGATTTCAAAA 499
Db      718 GTGCTTCTGTGTGCGCTGATGCTGATTAACCTGGAACAGTCAATGATTTCAAAA 777
Qy      500 GCATAAAGAGCTATATCTAGCTGATCTTATTAATGAGATCTGTTGAGTCACTGCGG 559
Db      778 GCACAGAGAGTCTATCCAGCTGAGCTTTGTAACAGCTGCTTTGAGCCAGTCTGCA 837
Qy      560 ATCCACTCTAAGAAATAGCTCTCAATGAGAAACAGTTTGCACATTAATCTCCAC 619
Db      838 GTCTCATCTAAGAAATAGCTCTCAATGAGAAACAGTTTGCACATTAATCTCCAC 679
Qy      620 CTGGAACATAGTACTGTTGAGTGTCTTACTCCAGCTTTTCTCAAAACCTCTTAA 679
Db      898 ACAG-----GTGGCATTAACCTCAACCTGTGAGCCCTCTTA 939
Qy      680 TTCTAGAGAGTGAAGACATCTTCACTGAGAGAGTAAACCTCAAGTATGCAATGAG 739
Db      940 TTCTAGAGAGTGAAGACTTC--TCAATCAAGAGATGATCCCTGAGCTATGCAATGAG 996
Qy      740 TACTGAAGAGCCAGATTTCTTACTACATATGTCGATTAATCTTTTGTCAACATC 799

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Db      997 TACGAGAGGCGAGATTCTTACTTACAGTATGTGCTTTAAGTTTCTGTCCAGC 1056
Qy      800 AGAATTGGCAAGAGCTGTTTATTATATAGACCTGAGATAGGAGCTGCTTGC 859
Db      1057 AGAGCTGGCCAGAGCTGCTTATTATCAATAGGCGCTGAGACAGGCTGCTTTC 1116
Qy      860 CTGTGTGGGAAGCTCACTAATCTGGAAACCAAGATGATGCTATGTCAAGACCGGAG 919
Db      1117 CTGTGTGGGAAGCTGAGCACTGGGAAACCAAGATGATGCTATGTCAAGACCGGAG 1176
Qy      920 GCATTTTCCCACTGTCTTATTTTGAATAATCTCTAGAACTCTGAGGTTTACCTTC 979
Db      1177 ACATTTTCCCACTGTCTTATTTCTGAAAATATTCTGAAAACACAGAGTTTATATATC 1236
Qy      980 AAATCTGAGCATGACAGACACATGACAGCTGCAATGAGAACTTATGTACTGGCCATAG 1039
Db      1237 AAATCTGAGTATGACAGACACATGCTGCTGATGAGAACTTCTGTACTGGCCATAG 1296
Qy      1040 TGTTCAGTTTCCGCTGAGAGCTTGGAGCTGCTGTTTATTATGTGGTGGCAATGA 1099
Db      1297 TGTTCAGTTTCCGCTGAGAGCTTGGAGCTGCTGTTTATTATGTGGTGGCAATGA 1356
Qy      1100 TGAATCTCAATGCTTTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1159
Db      1357 TGAATCTCAATGCTTTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1416
Qy      1160 ATGGGTGAAACATGCGCAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1219
Db      1417 CTGATATGAAACGCGCAATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1476
Qy      1220 AGAGTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1279
Db      1477 GGAATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1536
Qy      1280 TTCAGATACCACTGAGAGAAATGCTGACCC-----ACCAATTAATTAATTTGAC 1333
Db      1537 TTCAGATACCACTGAGAGAAATGCTGACCCCTACAGAGACAGTGTGTGTGTGTGTGT 1596
Qy      1334 TGGAGAAAGTTCTTCAAGAGATGCTGTCAATGATGATGATGATGATGATGATGATGATG 1393
Db      1597 TGGAGAAAGTTCTTCAAGAGATGCTGTCAATGATGATGATGATGATGATGATGATGATG 1653
Qy      1394 GGAATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1453
Db      1654 GGAATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1713
Qy      1454 TGGAGAGAACTTAAACAGTTAATGATGATGATGATGATGATGATGATGATGATGATG 1513
Db      1714 TGGAGAGAACTTAAACAGTTAATGATGATGATGATGATGATGATGATGATGATGATG 1773
Qy      1514 AAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1573
Db      1774 GAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1833
Qy      1574 AATTCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1633
Db      1834 GATTCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1893
Qy      1634 TAACTTTTAAAGGCGCAATGATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1693
Db      1894 TAACTTTTAAAGGCGCAATGATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1953
Qy      1694 ACAATACCTTTAACAAGCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1753
Db      1954 ACAATACCTTTAACAAGCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2013
Qy      1754 GGGCAACATCTTCAAAAAGTGTCTTAAAGAAATGATGATGATGATGATGATGATGATG 1813
Db      2014 AGCCACATCTTCAAAAAGTGTCTTAAAGAAATGATGATGATGATGATGATGATGATG 2073
Qy      1814 TGTGATTAAGATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1873

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Db      2074 TGTGAAAAAGATATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2133
Qy      1874 ACAATGAGAGAGGTTCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1933
Db      2134 GCAATGCGAGAGATTAACAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2193
Qy      1934 TGTGATTTATTTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1993
Db      2194 TATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2253
Qy      1994 AAAATGCGCTTATTTGAGAGGAGATTAATCAAGGATGATGATGATGATGATGATGATG 2053
Db      2254 GAAATGCGCGATCTGAGAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2311
Qy      2054 AAAATGATCTATATTTTAACTGATTAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2113
Db      2312 -----GTGAAGATGTCTGAAAGATGTTGTAAGATGATGATGATGATGATGATG 2347
Qy      2114 AGCATCTAAAGTAAAGAGAGAGATGATGATGATGATGATGATGATGATGATGATGATG 2173
Db      2348 AGCTGTCAAGAACAAAGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2404
Qy      2174 CTGCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2233
Db      2405 CTCTTCAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2464
Qy      2234 TGTGATTTCAAGAGAGAGATTTATGTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2293
Db      2465 TG-----TTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2518
Qy      2294 AGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2353
Db      2519 CAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2571
Qy      2354 TCAGAGAGCTTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2413
Db      2572 TGTGAAAGCTTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2531
Qy      2414 AGTTCATGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2473
Db      2632 TACTCA--GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2686
Qy      2474 AGGATTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 2533
Db      2687 AGGATTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 2746
Qy      2534 AAAAAA 2539
Db      2747 TTTAAA 2752

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RESULT 11
PCT-US96-12860-13
; Sequence 13, Application PC/TUS9612860
; GENERAL INFORMATION:
; APPLICANT: TULARIK, INC.
; TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOEBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/12860
; FILING DATE: 06 AUG 1996

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Db 2194 TATTGTTCATTCCGTCGTGTCATCTAGTCTGCCA3GAATGCCCCCTCTAAG 2253
 QY 1994 AAAATGCCCTATTGGACGGGTATATCAAGGCTACTGTCTGTACTTCTCTTAAAG 2053
 Db 2254 GAAGTCCCCCATCTGACGGGGGACATCAAGGGGACGTG3GCACTTCTCTCATGA-- 2311
 QY 2054 AAAAATAGTCTATATTATTTAACTGCAATAAAAAGGTCTTTAAATATTTGGAACCTGA 2113
 Db 2312 -----GTGAAGAAATGCTGTGAAGATATTTGGAACATCAGA 2347
 QY 2114 AGCCATCTAAAGTAAAGAAAGAAATTAAGTATTTCAATAGTAACTTCACTGCTAGT 2173
 Db 2348 AGCTGTCAAGAACAAAGAAATGAATCTAGTAA--TTTCAAGCTCTTCAAGACATCTACT 2404
 QY 2174 CTGCTTGTGCTATATATATCTTGTCTTGAAGAAAGATGATCATATATTATCTTAATC 2233
 Db 2405 CTCTTTCAAGATTAATATCTTGTCTTATGAAGGGTATGATATATTATTAAGCTTAGTC 2464
 QY 2234 TGTATTATTCAAGGAAAGATTAATGTTTGTGAAGTATATTAATGATGTAAGTAACTTA 2293
 Db 2465 TG-----TTGCAAGGGGAAAGGTCTATG--CTGTGAAGCTACAGACTGTCTGTCCAGAG 2518
 QY 2294 AGGAGTATGTCATCTGCTGTATGATGATCATTTCAAGAAATTAAGTATTTGTTGTTCTT 2353
 Db 2519 CAGAGTGTGGAGTGTCTGTCTGTATGTC---CTTCAAGATTTCTTGAT--TTGGAAT 2571
 QY 2354 TCAGAAAGCTTTGATATATAATTAATAGTATGAGAAAGAAAGTGAAGACCGGAACTCTGG 2413
 Db 2572 TGTGAAGCTTTGATTCAGATTCAGATGATGAGCTCAGAAATCCTGAAGACAGTGGCTCTGG 2631
 QY 2414 AGTTCATCAGATTAATGATGTCGCAATGTCCTTGTGCTCTTCACTGTGTTTAAATA 2473
 Db 2632 TACTCA--GTAGTAAAGGTACCCGTGCTTCTGTGCTTCTTCTTCTG---GAAATA 2686
 QY 2474 AGGATTTTCTCTTATTTCTCCCTGATGTTGTGAGAAATATCTCATATAAGTCTTAA 2533
 Db 2687 AGGATTTTCTCTGCTAGCTAGTAATATTTTCTGTGTTGTAATATATTAAGTGTCTT 2746
 QY 2534 AAAAAA 2539
 Db 2747 TTTAAA 2752

RESULT 12
 US-09-212-971-13
 ; Sequence 13, Application US/09212971B
 ; Patent No. 6107041
 ; GENERAL INFORMATION:
 ; APPLICANT: Korneluk, Robert G
 ; APPLICANT: Mackenzie, Alexander E
 ; APPLICANT: Liston, Peter
 ; APPLICANT: Baird, Stephen
 ; APPLICANT: Tsang, Benjamin K
 ; APPLICANT: Pratt, Christine
 ; TITLE OF INVENTION: DETECTION AND MODULATION OF IAVS AND
 ; TITLE OF INVENTION: NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
 ; FILE REFERENCE: 07891/009002
 ; CURRENT APPLICATION NUMBER: US/09/212,971B
 ; CURRENT FILING DATE: 1998-12-16
 ; EARLIER APPLICATION NUMBER: 60/017,354
 ; EARLIER FILING DATE: 1996-04-26
 ; EARLIER APPLICATION NUMBER: 60/030,590
 ; EARLIER FILING DATE: 1996-11-14
 ; EARLIER APPLICATION NUMBER: 08/800,929
 ; NUMBER OF SEQ ID NOS: 17
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 13
 ; LENGTH: 3151
 ; TYPE: DNA
 ; ORGANISM: Mus musculus
 US-09-212-971-13

Query Match 51.9%; Score 1343.6; DB 3; Length 3151;
 Best Local Similarity 76.2%; Pred. No. 3.5e-278;
 Matches 1852; Conservative 0; Mismatches 499; Indels 79; Gaps 13;
 QY 116 TTGGTGTGTAATAATCTTAGTTCATGTGAAGAAATTCATGTGAATGTTTAGCTATCA 175
 Db 702 TGTGTGTGAGATCTAGTGTCCAGTGTGAGAACTTCACTGGAAGTTTAAGCGGTCA 761
 QY 176 ACAGACTGTCACTACTCATGACAAAACCTGCTCCAAAGACTTTCCAGGTCCTC 235
 Db 762 AAATACTAAT--ACTACTCATGACAAAACCTGCTCCAGAGACTCGCCAGGTAACCTT 819
 QY 236 GTATCAAAACATTAAGATATATGAGATAGACAGATCTTGTCAAGATTGACAAACAG 295
 Db 820 ACACCAAAAACCTTAACGTATATGAGAGAGACAAATCTTGTCAATTTGACAAAGAA 879
 QY 296 CAACAAACAAAATGAAGTATGACTTTTCTGTGAAGTCTACAGATGTACATATTC 355
 Db 880 GAGCGAAGAAAAATGAAGTATGACTTTTCTGTGAAGTCTACAGATGTACATATTC 939
 QY 356 AACTTCCCGCCGGGTGCTGTCTCAGAAAGAGTCTTGTCTGCTGCTGTTTATTA 415
 Db 940 AGCTTTTCCAGGGAGTTCCTGTCTCAGAGAGAGTCTGCTGCTGCTGCTTTTATTA 999
 QY 416 TACTGTGTGATGACAAAGTCAATATGCTTGTGTGCTGCTGATGCTGATTAAGTGA 475
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 QY 476 ACTAGAGACAGTCTTATTAAGAAAGATTAACGATATATCTAGCTGATTAATTA 535
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 QY 536 GAATCTGTTTCAAGTATGCTGGAATCCACTCTTAAGAAATAGTCTCCAAAGAAACAG 595
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1819 TCTTCTGGAACAGCTGTGTGTCACTTCAGATACCACTGAGAGAAAGAAATGCTGACC 1878
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1936 CACGCTGTGTAAAGCAAGCTTGGAAATGGGCTTCATGAGAGCTGTGTGAGACAGAC 1995
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1996 GGTTCAGCGGAGATCTGCGCACATGTGTGAGAACTACAGAGACCGTCAATGATATGTCTC 2055
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2056 AGTACTTTTGAATGCTGAGAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2115
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2236 ACATGATTAATTAACAG 2295
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2296 CGTTTGTGAG 2355
1790 CTCTACATTTGATTAAGAACTTAATTTGATTAAGAAATGATTAATTTCAACAGAG 1849
2356 CTCCACGTTATTAAGAACTTAATTTGATTAAGAAATGATTAATTTCAACAGAG 2415
1850 TGTTCAGGCTGTCTGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1909
2416 CGTTTCAGGCTGTCTGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2475
1910 AGTGTGATGAG 1969
2476 AGTGTGATGAG 2535
1970 CCAAGAAATGTCCTCTCTTAAGAAATGCTTGAAGAGAGAGAGAGAGAGAGAGAG 2029
2536 CCAAGAAATGTCCTCTCTTAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2095
2030 TGTTCGATCAATTTCTCTTAAAGAAATGATTAATTTAAGAGAGAGAGAGAGAGAG 2089
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2687 AGCTCTTCAAG 2349
2210 GGATCATATATTAATCTTAATCTGTTTATTAAGAGAGAGAGAGAGAGAGAGAGAG 2399

2747 AGCATGATATTTAAGCTTGTGTT-----GCAAGGAGAGGCTTAAG-CTGTGAGC 2800
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2801 TACAG 2389
2230 GAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2449
2857 GAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2509
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2914 AATTCGAAACAG 2609
2450 GCTTTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2659
2972 GCTTTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2709
2510 AATTCGAAACAG 2759
3029 TGAGAAATATTAATTAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2809

RESULT 13

US-08-800-929A-13
Sequence 13, Application US/08800929A
Patent No. 6133437
GENERAL INFORMATION:
APPLICANT: Korneluk, Robert G
APPLICANT: Mackenzie, Alexander E
APPLICANT: Liston, Peter
APPLICANT: Tsang, Benjamin K
APPLICANT: Pratt, Christine
TITLE OF INVENTION: DETECTION AND MODULATION OF
TITLE OF INVENTION: IAPS AND NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Clark & Ebling LLP
STREET: 176 Federal Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/800,929A
FILING DATE: 13-FEB-1997
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/030,590
FILING DATE: 14-NOV-1996
APPLICATION NUMBER: 60/017,354
FILING DATE: 26-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Bleker-Brady, Kristina
REGISTRATION NUMBER:
REFERENCE/DOCKET NUMBER: 07891/009001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-428-0200
TELEFAX: 617-428-7045
TELEX:
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 3151 base pairs
TYPE: nucleic acid
STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: cdna
US-08-800-929A-13

Query Match 51.9%; Score 1343.6; DB 3; Length 3151;
Best Local Similarity 76.2%; Pred. No. 3.5e-278;
Matches 1852; Conservative 0; Mismatches 499; Indels 79; Gaps 13;

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QY 116 TTGTGTGTAATAATCTAGTCATGTGAGAGAAATTTTCATGTGAATGTTTATGCTATCA 175
DB 702 TGTGTGTGAGATCTAGTGTCCAAAGTGTGAGAAATCTTCATCTGGAAGTTTAAAGCGGTCA 761
QY 176 ACAGCACTGTCACTTACTCATGCACAAAAGTGCCTCCCAAGACTTTTCCAGGTCCCTC 235
DB 762 AATTAATAAT--ACTACTCATGGAACAAACTGTCTCCAGAGACTGCGCAAGGTACTT 819
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QY 1670 ACATGATATTAATTAACAAAGAAACAGATACCTTACAGAGAGAGAGAGAGAGAGAG 1729
DB 2236 ACATGATATTAATTAACAGAAACAGATACCTTACAGAGAGAGAGAGAGAGAGAGAG 2295
QY 1730 CATTTGTGTTAAAGAAATGCTGGGCCAATCTTCAAAACCTGTCTAAAGAAATGTA 1789
DB 2296 CATTATGTAAGGAAATGCTGGGCCAATCTTCAAAACCTGTCTAAAGAAATGTA 2355
QY 1790 CTCTACATGTATTAAGAACTTATTTGTGATTAAGAAATGATATATCCACAGAGAA 1849
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DB 2476 AGTGTGATGAGCAAGAAAGTCTGTGATTAATTTCTGTGAGTCACTGTGATGATG 2535
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Qy 2270 TATATTAGTATGATGTGTACTTAAGAGTAGTGTCACTGCTGTTATGATCATTTCA 2329
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Qy 2330 GGAGTTACTGATTTGTTCTTTCAGAAAGCTTTGAATACTTAATATAGTATAGAA 2389
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Db 2972 GCTTTTCTTCTG---GAAATAAGATTTTCTGTACTGTGAATATTTTCTGTTTG 3028
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Db 3029 TGAGAAATATATTAAGTCTTTTAA 3058

RESULT 14

US-09-617-053A-13
; Sequence 13, Application US/09617053A
; Patent No. 6300492
; GENERAL INFORMATION:
; APPLICANT: Korneluk, Robert G
; APPLICANT: Mackenzie, Alexander E
; APPLICANT: Liston, Peter
; APPLICANT: Baird, Stephen
; APPLICANT: Teang, Benjamin K
; APPLICANT: Pratt, Christine
; TITLE OF INVENTION: DETECTION AND MODULATION OF IAPs AND
; TITLE OF INVENTION: NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
; FILE OF INVENTION: DISEASE
; FILE REFERENCE: 07891/009003
; CURRENT APPLICATION NUMBER: US/09/617,053A
; CURRENT FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 08/800,929
; PRIOR FILING DATE: 1997-02-13
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 3151
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-617-053A-13

Query Match 51.9%; Score 1343.6; DB 4; Length 3151;
Best Local Similarity 76.2%; Pred. No. 3.5e-278;
Matches 1852; Conservative 0; Mismatches 499; Indels 79; Gaps 13;

Qy 116 TTGTGTGTAATAAATCTTAAGTTCATGTGAAGAAATTTCAATGATGTTTGTAGCTATCA 175
Db 702 TGTGTGAGAGATCTAGTGTCCAGAGTGTGAGAACTTCACTGGAAGTTTAAACGGTCA 761
Qy 176 ACAGACTGTACCTACTCATGACAAACTGCTCCCAAGACTTTTCCCAAGTCCCTC 235
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Qy 236 GATCAAAACATTAAGATTAATGAGATGACAGATCTTGTCAAGATTGACAAACAG 295
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Qy 356 AACTTTCCCGCGGGGTGCTGTCTCAGAAAGAGTCTTGTCTGTGCTGTTTATTA 415
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Qy 896 TGATGTATGTCAAGACACCGAGGCAATTTCCCACTGTCAATTTTGAATAATCTCT 955
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Qy 956 AGAACTCTGAGGTTTGAATTTCAATCTGAGATGACAGACATGACAGTCTGATGAG 1015
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Qy 1016 AACATTAATGATGAGGATCTGATGATGATGATGATGATGATGATGATGATGATG 1075
Db 1579 GACATTTCTGATGAGGATCTGATGATGATGATGATGATGATGATGATGATGATG 1638
Qy 1076 TTTTATTAATGAGGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1135
Db 1639 ATTCTATTAATGAGGATGATGATGATGATGATGATGATGATGATGATGATGATG 1698
Qy 1136 GTGTGTGGAATCTGAGATGATGATGATGATGATGATGATGATGATGATGATGATG 1195
Db 1699 ATGTGTGGAATCTGAGATGATGATGATGATGATGATGATGATGATGATGATGATG 1758
Qy 1196 GTTCTGTGATGAAATGAAAGGCAAGATTTGTTGATGATGATGATGATGATGATGAT 1255
Db 1759 GTTCTGTGATGAAATGAAAGGCAAGATTTGTTGATGATGATGATGATGATGATGAT 1818
Qy 1256 TCTTCTTGAACAGCTGTGTCACTTCAATCACTGAGAGAGAAATGCTGAGCC-- 1312
Db 1819 TCTTCTTGAACAGCTGTGTCACTTCAATCACTGAGAGAGAAATGCTGAGCC-- 1878
Qy 1313 ---ACCAATTAATTAATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1369
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Qy 1370 TACACTGTGTGATTAATCTGCTTGAAGATGAGAGAGAGAGAGAGAGAGAGAGAGAG 1429
Db 1936 CAGCGCTGTGTGATTAAG 1995

OY	1430	AGTTCAAAAGTAAAAATCCTGACCAACTGGAGAGAACAATTAAACAGTTAATGATATTGTGC	1489
Db	1996	GGTTCAGCGGCAGATCCTGGCCACTGTGTGAACCTAACAGACCCTCAATGATATTGTCTC	2055
OY	1490	AGCATCTCTTAATGCTGAAGATGAAAAAGAGAGAGAGAAAACAAGCTGAAGA	1549
Db	2056	AGTACTTTGAATGCTGAAGATGAGAGAAGAGAAGAGAAGAAAAGACAGACTGAAGA	2115
OY	1550	AATGGCATCAGATGATTGTCTATTATTCGGAGAACAGATGCGTCTCTTCACAAAAT	1609
Db	2116	GATGGCATCAGGTGACTTATCACTGATTCGGAAGATAGATGGCCCTCTTCAACAGTT	2175
OY	1610	GACATGTGTGCTTCTTACTTGATCTGGATAATCTTTTAAAGGCCNATGTAAATTATAACAGA	1669
Db	2176	GACACATGTCTTCTTACTTGATTAATCTTTGAGGCGCTAGTAAATTACAAAACAGA	2235
OY	1670	ACATGATATTATTAAACAAAAACAGATACCTTTACAACGAGAACTGATTGATAC	1729
Db	2236	ACATGATATTATTAGACAGAAAAACAGATACCCTTACAACAGAGACTTATTGACAC	2295
OY	1730	CATTTTGGTTAAAGAAAATGCTGGCCCAACTCTTCAA--ACTGCTTAAGAAATTGA	1789
Db	2296	CGTTTTAGTCAAGGAAAATGCTGAGCCAACATCTTCAAAAACCTCTGAAGAAATTGA	2355
OY	1790	CTCTACATTGTATAAGAACTTAATTGTGATAAGAAATAGAAATATATTCACACAGAGA	1849
Db	2356	CTCCACGTTATATGAAAACTTATTGTGTGAAAAAGATATGAAATATTCACACAGAGA	2415
OY	1850	TGTTTCAGGCTCTGTCACTGGAAAGAACAAATTGAGAGGTGTAAGAAGAACGAATCTGTAA	1909
Db	2416	CGTTTCAGGCTTGTCTATTGGAAAGCACATTGCCGAGATTACAAAGAAACGAATTTGCAA	2475
OY	1910	AGTGTGATGAGCAAAAGAGTTTCTGTGATTAATTCTGTGTGTCATCTGTAGTAGTAC	1969
Db	2476	AGTGTGATGAGCAGAGAGGTTTCTATTGTGTTCATTCGAGTGTGTCATGTAGTAGTAC	2535
OY	1970	CCAGGAATGTGCCCCCTCTCTAAGAAAAATGCCCTAATTGCGGGGTATATCAAGGGTAC	2029
Db	2536	CCAGGAATGTGCCCCCTCTCTAAGAAAGTGCCTCATGTGCAAGGGGAGCAATCAAGGGAC	2595
OY	2030	TGTTTGTACATTTCTCTCTTAAAGAAAAATAGTCTATATTTTAACTGCATATAAAAGSTC	2089
Db	2596	TGTGTGCAATTTCTCTCATGA-----CTGAAGATGCT	2629
OY	2090	TTTAAAAATATTGTGAACACTTGAAGCCATCTAAAGTAAAAAGGAATTAATGATTTTTC	2149
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OY	2150	AATTAGTAACATTCATGTTCTAGCTGTGTTGTGACTATAAATCTGTTCTGAAGAT	2209
Db	2687	AGCTCTTCAAGCAGACATTTCTACTCTCTTCAAGATTGTAATCTTGCTTANGAAGGCT	2746
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; Sequence 41, Application US/09201936
; Patent No. 6541457
; GENERAL INFORMATION:
; APPLICANT: Korneluk, Robert G.
; APPLICANT: Mackenzie, Alexander E.
; APPLICANT: Baird, Stephen
; APPLICANT: Liebon, Peter
; TITLE OF INVENTION: MAMMALIAN IAP GENE FAMILY, PRIMERS,
; TITLE OF INVENTION: PROBES, AND DETECTION METHODS
; FILE REFERENCE: 07891/003003
; CURRENT APPLICATION NUMBER: US/09/201,936
; CURRENT FILING DATE: 1998-12-01
; EARLIER APPLICATION NUMBER: 09/011,356
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: PCT/IB96/01022
; EARLIER FILING DATE: 1996-08-05
; EARLIER APPLICATION NUMBER: 08/576,956
; EARLIER FILING DATE: 1995-12-22
; EARLIER APPLICATION NUMBER: 08/511,485
; EARLIER FILING DATE: 1995-08-04
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 41
; LENGTH: 2416
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-201-936-41

Query Match      51.4%; Score 1330.4; DB 4; Length 2416;
Best Local Similarity 76.4%; Pred. No. 2,2e-275;
Matches 1816; Conservative 0; Mismatches 486; Indels 74; Gaps 12

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: December 4, 2003, 14:22:05 ; Search time 815 Seconds
(without alignments)
10558.035 Million cell updates/sec

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Scoring table: IDENTITY_NUC
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Searched: 2201672 seqs, 1661799599 residues
Total number of hits satisfying chosen parameters: 4403344

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Listing first 45 summaries

Database : Published Applications NA:*

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SUMMARIES

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2	2549.2	98.5	4614	12 US-09-814-353-19934	Sequence 19934, A
3	2535.8	97.9	3532	10 US-09-880-107-3354	Sequence 3354, Ap
4	2535.8	97.9	3732	10 US-09-974-592-7	Sequence 7, Appli
5	2531	97.8	2531	14 US-10-207-655-199	Sequence 199, App
6	2531	97.8	3496	14 US-10-153-668-337	Sequence 337, App
7	2514.8	97.1	2580	10 US-09-201-936-7	Sequence 7, Appli
8	1430.2	55.2	1435	8 US-08-464-588-1	Sequence 1, Appli
9	1430.2	55.2	1435	14 US-10-323-643-1	Sequence 1, Appli
10	1345.2	52.0	2862	12 US-10-232-286-13	Sequence 13, Appli
11	1343.6	51.9	3151	10 US-09-974-592-13	Sequence 41, Appli
12	1330.4	51.4	2416	10 US-09-201-936-41	Sequence 135, Ap
13	1157	44.7	3076	10 US-09-954-456-1635	Sequence 16, Appli
14	1157	44.7	3076	10 US-09-954-531-16	Sequence 1, Appli
15	1157	44.7	3076	14 US-10-197-290-1	Sequence 18, Appli
16	1155.4	44.6	5857	12 US-10-247-671-18	

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24	931.6	36.0	2676	10 US-09-974-592-11	Sequence 11, Appli
25	921.8	35.6	2450	10 US-09-201-936-39	Sequence 39, Appli
26	806.6	31.2	3734	12 US-10-353-461-7	Sequence 7, Appli
27	754.2	29.1	7049	12 US-10-311-455-130	Sequence 130, App
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29	744	28.7	7049	12 US-10-311-455-129	Sequence 129, App
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31	475.4	18.4	477	14 US-10-102-524-591	Sequence 591, App
32	473.8	18.3	477	14 US-10-102-524-459	Sequence 459, App
33	406.4	15.7	471	11 US-09-918-995-37203	Sequence 37203, A
34	344.6	13.3	6681	12 US-10-311-455-127	Sequence 127, App
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40	247.2	9.5	401	11 US-09-918-995-36214	Sequence 36214, A
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45	148	5.7	240	10 US-09-796-692-6687	Sequence 6687, Ap

ALIGNMENTS

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; Sequence 1, Application US/10232286
; Publication No. US20030143579A1
GENERAL INFORMATION:
APPLICANT: Goedel, Mike
TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSER: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/232,286
FILING DATE: 30-Aug-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/569,749
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Brezner, David J.
REGISTRATION NUMBER: 24,774
REFERENCE/DOCKET NUMBER: A-62464/DJB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415)781-1989
TELEFAX: (415)398-3249
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2589 base pairs
TYPE: nucleic acid

STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-232-286-1

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Best Local Similarity 100.0%; Pred. No. 0;
Matches 2589; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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; Sequence 19934, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Thompson, Pamela
; APPLICANT: Lilie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
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; SOFTWARE: FastSeq for Windows Version 4.0
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US-09-814-353-19934

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DB 3896 TGCTACTGAGAAACATTTGAGAGGTTGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAG 3955
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DB 3956 ACAAGAAGTTTCTGTTGATTAATTTCTGTTGATCTGCTGATGATGATGATGATGAT 4015
QY 1981 CCCCTTCTTAAGAAATGCGCTTATTTGACAGGAGTATTAATCAAGGTAATGTTCTGATCAT 2040
DB 4016 CCCCTTCTTAAGAAATGCGCTTATTTGACAGGAGTATTAATCAAGGTAATGTTCTGATCAT 4075

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RESULT 3
US-09-880-107-3354
; Sequence 3354, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scheff, Uwe
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT FILING DATE: US/09/880,107
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3354
; LENGTH: 3532
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURES:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 U37547
US-09-880-107-3354

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Query Match          97.9%; Score 2535.8; DB 10; Length 3532;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2540; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

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QY 61 AAATCAAGTAAAGAAAGTGAATTAATTTCTACATTAAGGCTATGATGATTTCTTTGG 120

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RESULT 4

US-09-974-592-7
; Sequence 7, Application US/09974592
; Patent No. US20020120121A1
; GENERAL INFORMATION:
; APPLICANT: Korneluk, Robert G
; APPLICANT: Mackenzie, Alexander E
; APPLICANT: Liston, Peter
; APPLICANT: Baird, Stephen
; APPLICANT: Tsang, Benjamin K
; APPLICANT: Pratt, Christine
; TITLE OF INVENTION: DETECTION AND MODULATION OF IAPs AND
; TITLE OF INVENTION: NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
; FILE REFERENCE: 07891/009004
; CURRENT APPLICATION NUMBER: US/09/974,592
; CURRENT FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: US 09/617,053
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 08/800,929
; PRIOR FILING DATE: 1997-02-13
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 3732
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-974-592-7

Query Match 97.9%; Score 2535.8; DB 10; Length 3732;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2540; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

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QY 1261 TTGAACAGCTGTGTGCACTTCAGATACCACTGAGAGAAATGCTGACCCCAATTA 1320
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DB 2566 TTAATCTGCTTGGAAATGGCTTTAATAGACCTGTGGAACAACAGTTCAAGTA 2625
QY 1441 AATATCTGACAACCTGGAGAGAACTATTAACAGTTATTTGTGTGACACTTCTTA 1500
DB 2626 AATATCTGACAACCTGGAGAGAACTATTAACAGTTATTTGTGTGACACTTCTTA 2685
QY 1501 ATGCTGAAGATGAAAAAGAGAGAGAGAGAAAAACAAGCTGAGAAATGGCATCAG 1560
DB 2686 ATGCTGAAGATGAAAAAGAGAGAGAGAGAAAAACAAGCTGAGAAATGGCATCAG 2745
QY 1561 ATGATTTGTCATTAATCGAAGAACAGAAATGGCTCTTTTCAACAATTGACATGTGTGC 1620
DB 2746 ATGATTTGTCATTAATCGAAGAACAGAAATGGCTCTTTTCAACAATTGACATGTGTGC 2805
QY 1621 TTCCCTATCTGATTAATCTTTTAAAGCCCAATGTATTAATTAACAGAACATGATTTA 1680
DB 2806 TTCCCTATCTGATTAATCTTTTAAAGCCCAATGTATTAATTAACAGAACATGATTTA 2865
QY 1681 TTAACCAAAAAACACAGATACCTTTTCAAGCAGAGAACTAATGATACCATTTGTGTTA 1740
DB 2866 TTAACCAAAAAACACAGATACCTTTTCAAGCAGAGAACTAATGATACCATTTGTGTTA 2925
QY 1741 AAGGAATGCTGCGGCCCAACATCTTCAAAAACTGTCTAAGAAATGTAATGCTCTACATCT 1800
DB 2926 AAGGAATGCTGCGGCCCAACATCTTCAAAAACTGTCTAAGAAATGTAATGCTCTACATCT 2985
QY 1801 ATTAAGAACTTATTTGTGATTAAGAAATGTAATGTAATTTCCACAGAAATGTTTCAAGTTC 1860
DB 2986 ATTAAGAACTTATTTGTGATTAAGAAATGTAATGTAATTTCCACAGAAATGTTTCAAGTTC 3045
QY 1861 TGTCACTGGAAGAACATTTGAGAGGTGCAAGAGAACGAACTTTGAAAGTGTATG 1920
DB 3046 TGTCACTGGAAGAACATTTGAGAGGTGCAAGAGAACGAACTTTGAAAGTGTATG 3105
QY 1921 ACAAGAAGTCTCTGTGATTTATTCCTGTGTGTCATCTGTAGTATGCGAGAAATG 1980
DB 3106 ACAAGAAGTCTCTGTGATTTATTCCTGTGTGTCATCTGTAGTATGCGAGAAATG 3165
QY 1981 CCCCTTCTTAAGAAATGCCCCATTTTGCAGGGGTATTAATCAAGGATCTGTCTGATCAT 2040
DB 3166 CCCCTTCTTAAGAAATGCCCCATTTTGCAGGGGTATTAATCAAGGATCTGTCTGATCAT 3225
QY 2041 TTCTCTCTTAAAGAAATAGCTCTAATTTTAACTGCAATTAAGAGTCTTTAAATAT 2100
DB 3226 TTCTCTCTTAAAGAAATAGCTCTAATTTTAACTGCAATTAAGAGTCTTTAAATAT 3285
QY 2101 GTTGAACACTTGAAGCATCTAAAGTAAAAAGGAATTAAGTTTCAATTAGTAA 2160
DB 3286 GTTGAACACTTGAAGCATCTAAAGTAAAAAGGAATTAAGTTTCAATTAGTAA 3345
QY 2161 TTCAATGTTCTAGTCTGTGTTGCTACTAATTAATCTTGTCTGAAGAGATGATCATATA 2220
DB 3346 TTCAATGTTCTAGTCTGTGTTGCTACTAATTAATCTTGTCTGAAGAGATGATCATATA 3405
QY 2221 TTTAATCTTAATCTGTTTATTTAACAAGGAAATTTATGTTGTAATTAATTAAT 2280
DB 3406 TTTAATCTTAATCTGTTTATTTAACAAGGAAATTTATGTTGTAATTAATTAAT 3465
QY 2281 GTATGTTACCTAAGGAGATGATGCTGCTGTATGATCAATTTGAGAGTAACTAG 2340
DB 3466 GTATGTTACCTAAGGAGATGATGCTGCTGTATGATCAATTTGAGAGTAACTAG 3525
QY 2341 ATTTGTTGTTCTTTCAGAAACCTTGAATTAATAATTAATTAATTAATTAATTAAT 2400
DB 3526 ATTTGTTGTTCTTTCAGAAACCTTGAATTAATAATTAATTAATTAATTAATTAAT 3585
QY 2401 CCAAGAACTCTGAGATTCATAGAGTTATGTTGCGGAATTTGTTGTTGCTTTTCACTT 2460
DB 3586 CCAAGAACTCTGAGATTCATAGAGTTATGTTGCGGAATTTGTTGTTGCTTTTCACTT 3645

QY 2461 GGTGTTTAAATTAAGATTTTCTCTTATTTCTCCCTAGTTTGTGAGAAACATCTCA 2520
DB 3646 GGTGTTTAAATTAAGATTTTCTCTTATTTCTCCCTAGTTTGTGAGAAACATCTCA 3705
QY 2521 TAAAGTCTTTAAAAAATTTTTTTTTT 2547
DB 3706 TAAAGTCTTTAAAAAATTTTTTTTTT 3732

RESULT 5
US-10-207-655-199
; Sequence 199, Application US/10207655
; Publication No. US20030118592A1
; GENERAL INFORMATION:
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Hayden-Ledbetter, Martha S.
; TITLE OF INVENTION: BINDING DOMAIN-IMMUNOGLOBULIN FUSION PROTEINS
; FILE REFERENCE: 390069.401C1
; CURRENT APPLICATION NUMBER: US/10/207,655
; CURRENT FILING DATE: 2002-07-25
; NUMBER OF SEQ ID NOS: 426
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 199
; LENGTH: 2531
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-207-655-199

Query Match 97.8%; Score 2531; DB 14; Length 2531;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2531; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCTAAGTAGTATCTTGGAAATTCAGAGAGATCACTCTACTGATTAATACTGAGAT 60
DB 1 TCTAAGTAGTATCTTGGAAATTCAGAGAGATCACTCTACTGATTAATACTGAGAT 60
QY 61 AAATCAGTAAAGAAAGTGTAGTAAATTTCAATTAAGAGTCTAATGATTTCTTTGG 120
DB 61 AAATCAGTAAAGAAAGTGTAGTAAATTTCAATTAAGAGTCTAATGATTTCTTTGG 120
QY 121 TGTAAATAATCTTACTGATGTAAGAAATTTCAATGTAATGTTTACTATCAAAAGC 180
DB 121 TGTAAATAATCTTACTGATGTAAGAAATTTCAATGTAATGTTTACTATCAAAAGC 180
QY 181 ACTGTCACTACTCATGCAAAAAGTCTCCCAAGACTTTTCCAGTCCCTGATC 240
DB 181 ACTGTCACTACTCATGCAAAAAGTCTCCCAAGACTTTTCCAGTCCCTGATC 240
QY 241 AAAACATTAAGATTAATGAGAGATGACAGATCTTGTCAAGATTGACAAACAGACA 300
DB 241 AAAACATTAAGATTAATGAGAGATGACAGATCTTGTCAAGATTGACAAACAGACA 300
QY 301 AAACAAAAATGAATGATGCTTTCTGTAAGTCTAAGAAATGCTAATTAATCACT 360
DB 301 AAACAAAAATGAATGATGCTTTCTGTAAGTCTAAGAAATGCTAATTAATCACT 360
QY 361 TCCCGCGCGGGGTGCTGCTCAGAAAGAGTCTGCTGCTGCTGTTTATTAATCTG 420
DB 361 TCCCGCGCGGGGTGCTGCTCAGAAAGAGTCTGCTGCTGCTGTTTATTAATCTG 420
QY 421 GTGTGAATGACAAGGTCATATGCTTCTGTGCTGCTGATGCTGATTAATGAACTAG 480
DB 421 GTGTGAATGACAAGGTCATATGCTTCTGTGCTGCTGATGCTGATTAATGAACTAG 480
QY 481 GAGACAGTCCATTAACAAAGCATTAACAGCTAATCTAGCTGATGCTTATTAATCAATC 540
DB 481 GAGACAGTCCATTAACAAAGCATTAACAGCTAATCTAGCTGATGCTTATTAATCAATC 540
QY 541 TGTGTTCAAGTATGCTGGATCCACCTTAAGAAATAGTCTCAATGAGAAACAGTTTG 600
DB 541 TGTGTTCAAGTATGCTGGATCCACCTTAAGAAATAGTCTCAATGAGAAACAGTTTG 600
QY 601 CACATTCATTAATCTCCACCTTGAACATATGATGCTGTTCAATGCTTCACTCAGCC 660

Db 601 CACATCATATATCTCCACCTTGAAACATAGTAGCTTGTCAGTGCTTCTTACTCCAGCC 660
Qy 661 TTTTCCAAACCTCTTAATTCYAGAGCAGTTGAAGACATCTCTCATCGAGACTAAC 720
Db 661 TTTCTCCAAACCTCTTAATTCYAGAGCAGTTGAAGACATCTCTCATCGAGACTAAC 720
Qy 721 CCTACAGTTATGCAATGAGTACTGAAAGCCAGATTCTTACCTACCATATGAGCCAT 780
Db 721 CCTACAGTTATGCAATGAGTACTGAAAGCCAGATTCTTACCTACCATATGAGCCAT 780
Qy 781 TAACTTTTGTGCAACATCAGATGAGAGAGCTGCTTTATATATAGAGCTGAG 840
Db 781 TAACTTTTGTGCAACATCAGATGAGAGAGCTGCTTTATATATAGAGCTGAG 840
Qy 841 ATAGGAGCTGCTGCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900
Db 841 ATAGGAGCTGCTGCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900
Qy 901 CTATGTCAGAACACCGAGAGGCAATTTCCCACTGTCATTTTGGAAAAATCTTAGAAA 960
Db 901 CTATGTCAGAACACCGAGAGGCAATTTCCCACTGTCATTTTGGAAAAATCTTAGAAA 960
Qy 961 CTCTGAGGTTAGCATTTTCAATCTGAGCATGAGACACATGCACTGCAATGAGAACAT 1020
Db 961 CTCTGAGGTTAGCATTTTCAATCTGAGCATGAGACACATGCACTGCAATGAGAACAT 1020
Qy 1021 TTATGTAAGTGGCCATCTAGTGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGT 1080
Db 1021 TTATGTAAGTGGCCATCTAGTGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGTTCAGT 1080
Qy 1081 ATTATGAGGCTGCAATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1140
Db 1081 ATTATGAGGCTGCAATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1140
Qy 1141 GGGAAATCTGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1200
Db 1141 GGGAAATCTGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1200
Qy 1201 TGATAGCAATGAAAGCCAGAGAGTTGTTGATGATGATGATGATGATGATGATGATGAT 1260
Db 1201 TGATAGCAATGAAAGCCAGAGAGTTGTTGATGATGATGATGATGATGATGATGATGAT 1260
Qy 1261 TTGAACAGCTGTGTCAACTCAGATCCACTGAGAGAGAGAGAGAGAGAGAGAGAGAG 1320
Db 1261 TTGAACAGCTGTGTCAACTCAGATCCACTGAGAGAGAGAGAGAGAGAGAGAGAGAG 1320
Qy 1321 TTCAATTTGAGCCTGAGAGAGAGTTCTTCAAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1380
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Qy 1381 TTAATCTGCTTGGAAATGGGCTTTAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1440
Db 1381 TTAATCTGCTTGGAAATGGGCTTTAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1440
Qy 1441 AAATCTGAGCACTGAG 1500
Db 1441 AAATCTGAGCACTGAG 1500
Qy 1501 ATGCTGAG 1560
Db 1501 ATGCTGAG 1560
Qy 1561 ATGATTTGTCTAATTTTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1620
Db 1561 ATGATTTGTCTAATTTTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1620
Qy 1621 TTCTCTATCTGAGATATCTTTTAAAGGCCATGTAATTAATTAATTAATTAATTAATTA 1680
Db 1621 TTCTCTATCTGAGATATCTTTTAAAGGCCATGTAATTAATTAATTAATTAATTAATTA 1680
Qy 1681 TTAACCAAAAAACAGATACCTTTACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1740
Db 1681 TTAACCAAAAAACAGATACCTTTACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1740

Db 1681 TTAACCAAAAAACAGATACCTTTACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1740
Qy 1741 AAGAAATGCTGCGGCCAACATCTTCAAAAACTGTCTTAAAGAAATGACTTACATTTGT 1800
Db 1741 AAGAAATGCTGCGGCCAACATCTTCAAAAACTGTCTTAAAGAAATGACTTACATTTGT 1800
Qy 1801 ATAGAACTTATTTGTGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAG 1860
Db 1801 ATAGAACTTATTTGTGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAG 1860
Qy 1861 TGTCACTGAG 1920
Db 1861 TGTCACTGAG 1920
Qy 1921 ACAAGAAAGTTTCTGTTGATTTATTTCTTGTGTCATCTGTTAGTATGCGAGAAATGTG 1980
Db 1921 ACAAGAAAGTTTCTGTTGATTTATTTCTTGTGTCATCTGTTAGTATGCGAGAAATGTG 1980
Qy 1981 CCCCTTCTTAAGAAATGCGCTAATTTGCAAGGGGTATTAATCAAGGGTATGTTGTCAT 2040
Db 1981 CCCCTTCTTAAGAAATGCGCTAATTTGCAAGGGGTATTAATCAAGGGTATGTTGTCAT 2040
Qy 2041 TTCTCTTAAGAAATAGTCTATATTTTAACTGATATAAAGGCTTTAAATATTT 2100
Db 2041 TTCTCTTAAGAAATAGTCTATATTTTAACTGATATAAAGGCTTTAAATATTT 2100
Qy 2101 GTTGAACACTGGAAGCCATCTTAAAGTAAAGAAATTAAGATTAAGATTAAGATTAAG 2160
Db 2101 GTTGAACACTGGAAGCCATCTTAAAGTAAAGAAATTAAGATTAAGATTAAGATTAAG 2160
Qy 2161 TTGATGTTCTAGTCTGCTTGTGTAATTAATCTTGTGTAAGAAAGATGTAATCATATA 2220
Db 2161 TTGATGTTCTAGTCTGCTTGTGTAATTAATCTTGTGTAAGAAAGATGTAATCATATA 2220
Qy 2221 TTTAATCTTAATCTGTTTATTTTCAAGGAGAGATTTATGTTGTTGTAAGATTAATTA 2280
Db 2221 TTTAATCTTAATCTGTTTATTTTCAAGGAGAGATTTATGTTGTTGTAAGATTAATTA 2280
Qy 2281 GTATGTAAGTCTTAAG 2340
Db 2281 GTATGTAAGTCTTAAG 2340
Qy 2341 ATTTGTTCTTCTTCAAGAAAGCTTTGAATACCTAATTAATTAATTAATTAATTAATTA 2400
Db 2341 ATTTGTTCTTCTTCAAGAAAGCTTTGAATACCTAATTAATTAATTAATTAATTAATTA 2400
Qy 2401 CCAGAACTCTGAGATTCATCAGAGTTATGAGTCCGAAATGCTTGTGCTTTCACTT 2460
Db 2401 CCAGAACTCTGAGATTCATCAGAGTTATGAGTCCGAAATGCTTGTGCTTTCACTT 2460
Qy 2461 GTGTTTAAATAAGAGATTTTCTTATTTTCTCCCTAGTTTGTGAGAAACATCTCAA 2520
Db 2461 GTGTTTAAATAAGAGATTTTCTTATTTTCTCCCTAGTTTGTGAGAAACATCTCAA 2520
Qy 2521 TAAAGTCTTT 2531
Db 2521 TAAAGTCTTT 2531

RESULT 6
US-10-153-668-337
Sequence 337, Application US/10153668
Publication No. US20030092616A1
GENERAL INFORMATION:
APPLICANT: HONDA, Goichi
APPLICANT: MATSUDA, Akio
APPLICANT: MURAMATSU, Shuji
APPLICANT: ISHIZAWA, Kenya
TITLE OF INVENTION: STAT6 Activating Gene
FILE REFERENCE: 1254-0207P
CURRENT APPLICATION NUMBER: US/10/153, 668
CURRENT FILING DATE: 2002-05-24
PRIOR APPLICATION NUMBER: US 60/293,172

/ PRIOR FILING DATE: 2001-05-25
/ PRIOR APPLICATION NUMBER: US 60/316,031
/ PRIOR FILING DATE: 2001-08-31
/ PRIOR APPLICATION NUMBER: US 60/328,403
/ PRIOR FILING DATE: 2001-10-12
/ PRIOR APPLICATION NUMBER: JP 2001-157043
/ PRIOR FILING DATE: 2001-05-25
/ PRIOR APPLICATION NUMBER: JP 2001-260681
/ PRIOR FILING DATE: 2001-08-30
/ PRIOR APPLICATION NUMBER: JP 2001-313175
/ PRIOR FILING DATE: 2001-10-10
/ NUMBER OF SEQ ID NOS: 488
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 337
/ LENGTH: 3496
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (1160)..(3013)
US-10-153-668-337

Query Match 97.8%; Score 2531; DB 14; Length 3496;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2531; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCTAAGTATGATCTTGGAAATTCAGAGAGATCTATCTCTGATATATTAATGAGAT 60
DB 966 TCTAAGTATGATCTTGGAAATTCAGAGAGATCTATCTCTGATATATTAATGAGAT 1025
QY 61 AAATCCAGTAAAGAAAGTGTAGTAAATCTCATAGAGATCTATCATTTCTTTTGG 120
DB 1026 AAATCCAGTAAAGAAAGTGTAGTAAATCTCATAGAGATCTATCATTTCTTTTGG 1085
QY 121 TGGTAAATCTTAGTTCATGTGAAGAAATTCATGTGAAGTGTAGCATCAACAGC 180
DB 1086 TGGTAAATCTTAGTTCATGTGAAGAAATTCATGTGAAGTGTAGCATCAACAGC 1145
QY 181 ACTGTCACTACTCATGACACAAAGCTGCTCCAAAGACTTTTCCAGGTCCCTGATC 240
DB 1146 ACTGTCACTACTCATGACACAAAGCTGCTCCAAAGACTTTTCCAGGTCCCTGATC 1205
QY 241 AAAACATTAAAGATATATGAGATAGACAGATCTGTGAGATTTGACAAACAGCA 300
DB 1206 AAAACATTAAAGATATATGAGATAGACAGATCTGTGAGATTTGACAAACAGCA 1265
QY 301 AAACAAAATGAAGTATGACTTTCTGTGAATCTACAGATGTCTACATATCAACT 360
DB 1266 AAACAAAATGAAGTATGACTTTCTGTGAATCTACAGATGTCTACATATCAACT 1325
QY 361 TCCCCCGGGGGTGCCTGTCTCAGAAAGAGTCTTGCTCGTGTGTTTATATATCTG 420
DB 1326 TCCCCCGGGGGTGCCTGTCTCAGAAAGAGTCTTGCTCGTGTGTTTATATATCTG 1385
QY 421 GTGTGAATGACAGATCAAGATGCTTGTGTGGCTGATGCTGATTAATGAACTGAA 480
DB 1386 GTGTGAATGACAGATCAAGATGCTTGTGTGGCTGATGCTGATTAATGAACTGAA 1445
QY 481 GAGACAGTCTTATTTCAAAAGCATAAACAGCTATATCTAGCTGTAGCTTATTCAGAA 540
DB 1446 GAGACAGTCTTATTTCAAAAGCATAAACAGCTATATCTAGCTGTAGCTTATTCAGAA 1505
QY 541 TGGTTAGAGTATGCTGGGATCCCTCTAAGATATAGTCTCAATGAGAAACAGTTTG 600
DB 1506 TGGTTAGAGTATGCTGGGATCCCTCTAAGATATAGTCTCAATGAGAAACAGTTTG 1565
QY 601 CACATTATATCTCCCACTTTGAAACATAGTATGCTTTGAGTGTCTTACTCCAGCC 660
DB 1566 CACATTATATCTCCCACTTTGAAACATAGTATGCTTTGAGTGTCTTACTCCAGCC 1625
QY 661 TTTCTCAAAACCTCTTAATCTAGAGCAGTGAAGACATCTTCATGAGAGACTAAC 720
DB 1626 TTTCTCAAAACCTCTTAATCTAGAGCAGTGAAGACATCTTCATGAGAGACTAAC 1685

QY 721 CCTACAGTATGCAATGATGTACTGAAGAGCCAGATTTCTTACCTACATATGAGCCAT 780
DB 1686 CCTACAGTATGCAATGATGTACTGAAGAGCCAGATTTCTTACCTACATATGAGCCAT 1745
QY 781 TAACTTTTGTCCACCATCAGAAATGGCAAGAGCTGTTTATATATAGAACCTGAG 840
DB 1746 TAACTTTTGTCCACCATCAGAAATGGCAAGAGCTGTTTATATATAGAACCTGAG 1805
QY 841 ATAGGGTAGCCCTGCTTGGCTGTGGGGAAGCTCAAGTAATCTGGAACCAAGATGATG 900
DB 1806 ATAGGGTAGCCCTGCTTGGCTGTGGGGAAGCTCAAGTAATCTGGAACCAAGATGATG 1865
QY 901 CTATGTCAAGAACCCGAGAGCATTTTCCAACTGTTCATTTTGGAAAAATCTCTAGAA 960
DB 1866 CTATGTCAAGAACCCGAGAGCATTTTCCAACTGTTCATTTTGGAAAAATCTCTAGAA 1925
QY 961 CTCTAGGTTTATGATTTCAATCTGAGCATGACACACATGACCTGATGAGAACAT 1020
DB 1926 CTCTAGGTTTATGATTTCAATCTGAGCATGACACACATGACCTGATGAGAACAT 1985
QY 1021 TTATGATCGGCATCTAGTGTCCAGTTGAGCCCTGAGAGCTTGCAGTGTGTTT 1080
DB 1986 TTATGATCTGGCATCTAGTGTCCAGTTGAGCCCTGAGAGCTTGCAGTGTGTTT 2045
QY 1081 ATTATGCGGTGCAATGATGATGCAATGCTTTTGTGTGATGTGCTTGAGGTGTT 1140
DB 2046 ATTATGCGGTGCAATGATGATGCAATGCTTTTGTGTGATGTGCTTGAGGTGTT 2105
QY 1141 GGGATCTGAGATGATCCATGGGTAGAACATGCCAGTGTTCACAGGTGATGTTCT 1200
DB 2106 GGGATCTGAGATGATCCATGGGTAGAACATGCCAGTGTTCACAGGTGATGTTCT 2165
QY 1201 TGAATACGAATGAAGGCCAAGATTGTGTGATGAGATTCAGAGTATCCCTCATCTC 1260
DB 2166 TGAATACGAATGAAGGCCAAGATTGTGTGATGAGATTCAGAGTATCCCTCATCTC 2225
QY 1261 TTGAACAGCTGTGTCACTTCAATACCACTGAGAGAAATGCTGACCCCAATTA 1320
DB 2226 TTGAACAGCTGTGTCACTTCAATACCACTGAGAGAAATGCTGACCCCAATTA 2285
QY 1321 TTCAATTTGACCTGAGAAAGTCTTCAAGATGCTGTCAATGATGATACACTGTG 1380
DB 2286 TTCAATTTGACCTGAGAAAGTCTTCAAGATGCTGTCAATGATGATACACTGTG 2345
QY 1381 TTAATCTGCTTGGAAATGGGCTTTAATGAGACCTGTGAAACAAACAGTTCAAA 1440
DB 2346 TTAATCTGCTTGGAAATGGGCTTTAATGAGACCTGTGAAACAAACAGTTCAAA 2405
QY 1441 AAATCTGACAACTGAGAGAACTATTAACAGTTATGATGTGTGACACTTCTTA 1500
DB 2406 AAATCTGACAACTGAGAGAACTATTAACAGTTATGATGTGTGACACTTCTTA 2465
QY 1501 ATGCTGAAGATGAAGAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1560
DB 2466 ATGCTGAAGATGAAGAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2525
QY 1561 ATGATTTGCTATTAATTCGAGAGAACAGATGCTCTCTTTCACAAATGACATGTG 1620
DB 2526 ATGATTTGCTATTAATTCGAGAGAACAGATGCTCTCTTTCACAAATGACATGTG 2585
QY 1621 TTCCTATCTGAGATATCTTTTAAAGGCAATGATTAATAACAGAAACATGATTA 1680
DB 2586 TTCCTATCTGAGATATCTTTTAAAGGCAATGATTAATAACAGAAACATGATTA 2645
QY 1681 TTAACAAAAACACAGATATCTTTTAAAGGCAAGAGAGAGAGAGAGAGAGAGAG 1740
DB 2646 TTAACAAAAACACAGATATCTTTTAAAGGCAAGAGAGAGAGAGAGAGAGAGAG 2705
QY 1741 AAGGAATGCTGCGGCCAACATCTTCAAAAACGTCTAAGAAAGAAATGACTTACAT 1800
DB 2706 AAGGAATGCTGCGGCCAACATCTTCAAAAACGTCTAAGAAAGAAATGACTTACAT 2765

QY 841 ATAGGTAAGCTTCTTGGTGGTGGGAACTCACTAATCGGGAACCAAGATGATG 900
 DB 884 ATAGGTAAGCTTCTTGGTGGTGGGAACTCACTAATCGGGAACCAAGATGATG 943
 QY 901 CTATGTGGAACACCGGAGGCAATTTTCCAACTGTCATTTTGGAAAAATTTCTTGAAA 960
 DB 944 CTATGTGGAACACCGGAGGCAATTTTCCAACTGTCATTTTGGAAAAATTTCTTGAAA 1003
 QY 961 CTCTAGGTTTACATTTCAAACTGAGCATGACAGATGACAGCTCGAATGAAACAT 1020
 DB 1004 CTCTAGGTTTACATTTCAAACTGAGCATGACAGATGACAGCTCGAATGAAACAT 1063
 QY 1021 TTATGTACTGGCCATCTAGTGTTCAGTTCCAGCTTGACAGACTTGCAAGTGTGTTT 1080
 DB 1064 TTATGTACTGGCCATCTAGTGTTCAGTTCCAGCTTGACAGACTTGCAAGTGTGTTT 1123
 QY 1081 ATTAATGTGGTCCGCAATGATGATGATGATGATGATGATGATGATGATGATGATG 1140
 DB 1124 ATTAATGTGGTCCGCAATGATGATGATGATGATGATGATGATGATGATGATGATG 1183
 QY 1141 GGGAACTGGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1200
 DB 1184 GGGAACTGGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1243
 QY 1201 TGATACGATGAAAGGCCAAGCTTGTGTGATGATGATGATGATGATGATGATGATG 1260
 DB 1244 TGATACGATGAAAGGCCAAGCTTGTGTGATGATGATGATGATGATGATGATGATG 1303
 QY 1261 TTGAACAGCTGTGTCACTTCAATGATGATGATGATGATGATGATGATGATGATGATG 1320
 DB 1304 TTGAACAGCTGTGTCACTTCAATGATGATGATGATGATGATGATGATGATGATGATG 1363
 QY 1321 TTGATTTTGGACCTGGAAGAGTTCTTCAAGATGCTGTGATGATGATGATGATGATG 1380
 DB 1364 TTGATTTTGGACCTGGAAGAGTTCTTCAAGATGCTGTGATGATGATGATGATGATG 1423
 QY 1381 TTAATCTGCTTGGAAATGGCTTTTAATAGACCTGTGAAACCAAGCTTCAAGTA 1440
 DB 1424 TTAATCTGCTTGGAAATGGCTTTTAATAGACCTGTGAAACCAAGCTTCAAGTA 1483
 QY 1441 AAATCTGCAACTGAGAGAACTATTAATTAATTAATTAATTAATTAATTAATTAATTA 1500
 DB 1484 AAATCTGCAACTGAGAGAACTATTAATTAATTAATTAATTAATTAATTAATTAATTA 1543
 QY 1501 ATGCTGAAGATGAAAAAG 1560
 DB 1544 ATGCTGAAGATGAAAAAG 1603
 QY 1561 ATGATTTGTCATTAATTCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1620
 DB 1604 ATGATTTGTCATTAATTCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1663
 QY 1621 TTCTATCTCTGATTAATCTTTTAAAGCCCAATGTAATTAATTAATTAATTAATTAATTA 1680
 DB 1664 TTCTATCTCTGATTAATCTTTTAAAGCCCAATGTAATTAATTAATTAATTAATTAATTA 1723
 QY 1681 TTAACCAAAAAACACAGATACCTTTTCAAGGAGAGAGAGAGAGAGAGAGAGAGAGAG 1740
 DB 1724 TTAACCAAAAAACACAGATACCTTTTCAAGGAGAGAGAGAGAGAGAGAGAGAGAGAG 1783
 QY 1741 AAGGAATGCTGGGCGCAACATCTTCAAAAACTGTCTAAAAAATTAATTAATTAATTAATTA 1800
 DB 1784 AAGGAATGCTGGGCGCAACATCTTCAAAAACTGTCTAAAAAATTAATTAATTAATTAATTA 1843
 QY 1801 ATTAAGACTTATTTTGGATTAAGATTAAGATTAATTAATTAATTAATTAATTAATTAATTA 1860
 DB 1844 ATTAAGACTTATTTTGGATTAAGATTAAGATTAATTAATTAATTAATTAATTAATTAATTA 1903
 QY 1861 TGTCACTGGAAGAACTTGAAGAGGTTGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1920
 DB 1904 TGTCACTGGAAGAACTTGAAGAGGTTGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1963

QY 1921 ACAAGAAGTTTCTGTGATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1980
 DB 1964 ACAAGAAGTTTCTGTGATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 2023
 QY 1981 CCCCTTCTTAAGAAAAATGCCCTAATTTGCAAGGAGATTAATTAATTAATTAATTAATTAAT 2040
 DB 2024 CCCCTTCTTAAGAAAAATGCCCTAATTTGCAAGGAGATTAATTAATTAATTAATTAATTAAT 2083
 QY 2041 TTCTCTTAAGAAAAATAGTCTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 2100
 DB 2084 TTCTCTTAAGAAAAATAGTCTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 2143
 QY 2101 GTTGAACACTTGAAGCATCTTAAGTAATTAAGTAATTAAGTAATTAAGTAATTAAGTAATTA 2160
 DB 2144 GTTGAACACTTGAAGCATCTTAAGTAATTAAGTAATTAAGTAATTAAGTAATTAAGTAATTA 2203
 QY 2161 TTCAATGTTCAAGTCTGCTTGGTGAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 2220
 DB 2204 TTCAATGTTCAAGTCTGCTTGGTGAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 2263
 QY 2221 TTTAATCTTAATCTGTTTATTAACAAGGAGATTAATTAATTAATTAATTAATTAATTAATTA 2280
 DB 2264 TTTAATCTTAATCTGTTTATTAACAAGGAGATTAATTAATTAATTAATTAATTAATTAATTAAT 2323
 QY 2281 GTATGTGCTAAGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2340
 DB 2324 GTATGTGCTAAGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2383
 QY 2341 ATTGTGTTCTTTCAGAAAGCTTGAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 2400
 DB 2384 ATTGTGTTCTTTCAGAAAGCTTGAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 2443
 QY 2401 CCAGAACTCTGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2460
 DB 2444 CCAGAACTCTGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2503
 QY 2461 GTGTTTAAATTAAGATTTTCTCTAATTTCTCCCTAGTTTGTGAGAAACATCTCAA 2520
 DB 2504 GTGTTTAAATTAAGATTTTCTCTAATTTCTCCCTAGTTTGTGAGAAACATCTCAA 2563
 QY 2521 TAAAGTCTTTAAAAA 2536
 DB 2564 TAAAGTCTTTAAAAA 2579

RESULT 8
 US-08-464-588-1
 ; Sequence 1, Application US/08464588
 ; Publication No. US20030073159A1
 ; GENERAL INFORMATION:
 ; APPLICANT: HE, ET AL.
 ; TITLE OF INVENTION: Human Inhibitor of Apoptosis Gene 1
 ; NUMBER OF SEQUENCES: 8
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSES: CARELIA, BYRNE, BAIN, GILFILLAN,
 ; ADDRESSER: CECCHI, STEWART & OLSTEIN
 ; STREET: 6 BECKER FARM ROAD
 ; CITY: ROSELAND
 ; STATE: NEW JERSEY
 ; COUNTRY: USA
 ; ZIP: 07068
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5 INCH DISKETTE
 ; COMPUTER: IBM PS/2
 ; OPERATING SYSTEM: MS-DOS
 ; SOFTWARE: WORD PERFECT 5.1
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/464,588
 ; FILING DATE: June 5, 1995
 ; CLASSIFICATION: 514
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US95/05922
 ; FILING DATE: 11 MAY 1995


```
ATTORNEY/AGENT INFORMATION:
; NAME: FERRARO, GREGORY D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-387
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1435 BASE PAIRS
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
; MOLECULE TYPE: CDNA
US-08-464-588-1

Query Match      55.2%; Score 1430.2; DB 8; Length 1435;
Best Local Similarity 99.8%; Pred. No. 2.5e-291;
Matches 1432; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 726 AGTTATGCAATGAGTACTGAGAGAGCCAGATTCTTACCTACCATATGTGGCCATTAACT
Db 1 AGTTATGCAATGAGTACTGAGAGAGCCAGATTCTTACCTACCATATGTGGCCATTAACT
QY 786 TTTTGTGACCATCAGAAATGGCAAGAGCTGGTTTATATATATATAGACCTGGAGATAG
Db 61 TTTTGTGACCATCAGAAATGGCAAGAGCTGGTTTATATATATATAGACCTGGAGATAG
QY 846 GTAGCCCTCTTGGCTGTGGTGGAGAGCTCAGTAAGTGGAAACCAAGATGATGCTATG
Db 121 GTAGCCCTCTTGGCTGTGGTGGAGAGCTCAGTAAGTGGAAACCAAGATGATGCTATG
QY 906 TCAGAACACCGAGAGGCAATTTCCCACTGTCATTTTGGAAATTTCTAGAAACTCTG
Db 181 TCAGAACACCGAGAGGCAATTTCCCACTGTCATTTTGGAAATTTCTAGAAACTCTG
QY 966 AGGTTTACCATTTCAAACTCTGAGCATGACACATGACAGCTCGAATGAGAACTTTATG
Db 241 AGGTTTACCATTTCAAACTCTGAGCATGACACATGACAGCTCGAATGAGAACTTTATG
QY 1026 TACTGGCATCTAGTGTTCACATTCAGCTGAGAGCTTGAAGTGTGTTTATATAT
Db 301 TACTGGCATCTAGTGTTCACATTCAGCTGAGAGCTTGAAGTGTGTTTATATAT
QY 1086 GTGGGTGCGCAATGATGATGCAATGCTTTTGTGATGGTGGCTTGGAGTGGGAA
Db 361 GTGGGTGCGCAATGATGATGCAATGCTTTTGTGATGGTGGCTTGGAGTGGGAA
QY 1146 TCTGAGATGATTCATGGGTAGAACATGCCAAGTGGTTCCAAAGTGTGAGTTCTTGATA
Db 421 TCTGAGATGATTCATGGGTAGAACATGCCAAGTGGTTCCAAAGTGTGAGTTCTTGATA
QY 1206 CGAATGAAAGGCGAAGTGTGTTGATGAGATTCAGGTAGATATCCTCATCTTGAA
Db 481 CGAATGAAAGGCGAAGTGTGTTGATGAGATTCAGGTAGATATCCTCATCTTGAA
QY 1266 CAGCTGTGTCACTTCAATACCACTGAGAGAGAAATGTGTGACCAACCAATATTCT
Db 541 CAGCTGTGTCACTTCAATACCACTGAGAGAGAAATGTGTGACCAACCAATATTCT
QY 1326 TTTGAGACCTGAGAAAGTCTTTCAGAAAGATGCTGATGATGATGATGATGATGATG
Db 601 TTTGAGACCTGAGAAAGTCTTTCAGAAAGATGCTGATGATGATGATGATGATGATG
QY 1386 TCTGCTTGGAAATGGCTTTATATAGAGACCTGTGAAAACCAACAGTTCAAGTAAATC
Db 661 TCTGCTTGGAAATGGCTTTATATAGAGACCTGTGAAAACCAACAGTTCAAGTAAATC
QY 1446 CTGACAACTGAGAGAACTATATAAAGCTTATGATATTGTGTCAGCACTTCTAATGT
Db 721 CTGACAACTGAGAGAACTATATAAAGCTTATGATATTGTGTCAGCACTTCTAATGT
QY 1506 GAAGATGAAAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGATGAT
Db 1506 GAAGATGAAAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGATGAT
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Db 781 GAAAGTAAAAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGATGAT
QY 1566 TTGTCATTAATTCGGAGAGACAGATGGCTCTCTTTCACAAATGACATGTGCTTCT
Db 841 TTGTCATTAATTCGGAGAGACAGATGGCTCTCTTTCACAAATGACATGTGCTTCT
QY 1626 ATCTGGATTAATCTTTTAAAGGCCAATGTATATATAACAGAGAACATGATATTATTA
Db 901 ATCTGGATTAATCTTTTAAAGGCCAATGTATATATAACAGAGAACATGATATTATTA
QY 1686 CAAAAACACAGATACCTTTTACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG
Db 961 CAAAAACACAGATACCTTTTACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG
QY 1746 AATGCTGGGCGCAACATCTTCAAAAACCTGCTTAAAGAAATGACTTACATTTGTATAG
Db 1021 AATGCTGGGCGCAACATCTTCAAAAACCTGCTTAAAGAAATGACTTACATTTGTATAG
QY 1806 AACTTATTTGTGATTAAGATATGATATATTTCCACAGAGAGATGTTCAAGTCTGCA
Db 1081 AACTTATTTGTGATTAAGATATGATATATTTCCACAGAGAGATGTTCAAGTCTGCA
QY 1866 CTGGAAGAACATTTGAGAGAGGTTGCAAGAGAACAACTTGTAAAGTGTATGACAAA
Db 1141 CTGGAAGAACATTTGAGAGAGGTTGCAAGAGAACAACTTGTAAAGTGTATGACAAA
QY 1926 GAAGTTCTGTGATTTATTTCTTGTGTCATCTGTGATGATGACAGAGATGACCCCT
Db 1201 GAAGTTCTGTGATTTATTTCTTGTGTCATCTGTGATGATGACAGAGATGACCCCT
QY 1986 TCTCTAAGAAATGCCCTATTTGACAGGGGATATATCAAGGCTACTGTTCTGATTTCTC
Db 1261 TCTCTAAGAAATGCCCTATTTGACAGGGGATATATCAAGGCTACTGTTCTGATTTCTC
QY 2046 TCTTAAAGAAATAGTCTATATTTTAACTGATTAATAAGGCTTTTAAATATGTTGA
Db 1321 TCTTAAAGAAATAGTCTATATTTTAACTGATTAATAAGGCTTTTAAATATGTTGA
QY 2106 ACACTGAGGCACTTAAAGTAAAGAGGATTAAGATTTTCAATTAGTAAACA
Db 1381 ACACTGAGGCACTTAAAGTAAAGAGGATTAAGATTTTCAATTAGTAAACA

RESULT 9
US-10-323-643-1
; Sequence 1, Application US/10323643
; Publication No. US20030108552A1
; GENERAL INFORMATION:
; APPLICANT: He, et al.
; TITLE OF INVENTION: Human Inhibitor of Apoptosis Gene 1
; FILE REFERENCE: PFI65P1D1
; CURRENT APPLICATION NUMBER: US/10/323,643
; PRIOR FILING DATE: 2002-12-20
; PRIOR APPLICATION NUMBER: 08/464,588
; PRIOR FILING DATE: 1995-06-05
; PRIOR APPLICATION NUMBER: PCT/US95/05922
; PRIOR FILING DATE: 1995-05-11
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 1435
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURES:
; NAME/KEY: CDS
; LOCATION: (10)..(1326)
; OTHER INFORMATION:
US-10-323-643-1

Query Match      55.2%; Score 1430.2; DB 14; Length 1435;
Best Local Similarity 99.8%; Pred. No. 2.5e-291;
Matches 1432; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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QY 726 AGTTATGCAATGAGTACTGAGAGAGCCAGATTCTTACCTACCATATGTGGCATTAACT 785
 Db 1 AGTTATGCAATGAGTACTGAGAGAGCCAGATTCTTACCTACCATATGTGGCATTAACT 60
 QY 786 TTTTGTGCAACATGAGATTGGCAAGAGCTGTTTATATATATAGACCTGGAGATAGG 845
 Db 61 TTTTGTGCAACATGAGATTGGCAAGAGCTGTTTATATATATAGACCTGGAGATAGG 120
 QY 846 GTAGCTGCTTTGCTGTGTGGAGAGCTCACTACTGGAACCAAGATGATGCTATG 905
 Db 121 GTAGCTGCTTTGCTGTGTGGAGAGCTCACTACTGGAACCAAGATGATGCTATG 180
 QY 906 TCAGAACACCGAGAGCATTTTCCCACTGTCTCAATTTTGGAAATCTCTAGAACTCTG 965
 Db 181 TCAGAACACCGAGAGCATTTTCCCACTGTCTCAATTTTGGAAATCTCTAGAACTCTG 240
 QY 966 AGTTTACGATTTTCAATCTGAGATGACAGACATGACGCTGCAATGAGAACATTATG 1025
 Db 241 AGTTTACGATTTTCAATCTGAGATGACAGACATGACGCTGCAATGAGAACATTATG 300
 QY 1026 TACTGGCCATCTAGTGTTCAGTTCAAGCTGAGCAGCTGCAAGTCTGTTTATATAT 1085
 Db 301 TACTGGCCATCTAGTGTTCAGTTCAAGCTGAGCAGCTGCAAGTCTGTTTATATAT 360
 QY 1086 GTGGGTGCGAATGATGTCAATGCTTTGTGTGATGTGCTTGGAGTGTGGGA 1145
 Db 361 GTGGGTGCGAATGATGTCAATGCTTTGTGTGATGTGCTTGGAGTGTGGGA 420
 QY 1146 TCTGAGATGATCCATGAGGTAGAACATGCCAAGTGTTCAGAGTGTGATCTTGATA 1205
 Db 421 TCTGAGATGATCCATGAGGTAGAACATGCCAAGTGTTCAGAGTGTGATCTTGATA 480
 QY 1206 CGAATGAAGGCCAAGAGTGTGTGATGAGATTCAAGTAATATCTTCTTCTGAA 1265
 Db 481 CGAATGAAGGCCAAGAGTGTGTGATGAGATTCAAGTAATATCTTCTTCTGAA 540
 QY 1266 CAGCTGTGTCACTTCAGATCCATGAGAGAGAAATGCTGACCCACCAATTATTCAT 1325
 Db 541 CAGCTGTGTCACTTCAGATCCATGAGAGAGAAATGCTGACCCACCAATTATTCAT 600
 QY 1326 TTTGGACCTGAGAAAGTCTTCAGAAAGTGTGTGATGAGTAATCACTGTGTGATA 1385
 Db 601 TTTGGACCTGAGAAAGTCTTCAGAAAGTGTGTGATGAGTAATCACTGTGTGATA 660
 QY 1386 TCTGCTTGGAAATGGGCTTTAATAGACCTGTGAAACAAACGTTCAAAGTAAATC 1445
 Db 661 TCTGCTTGGAAATGGGCTTTAATAGACCTGTGAAACAAACGTTCAAAGTAAATC 720
 QY 1446 CTGACAACTGAGAGAACTATATAAAGTATATGATATGTGACACTTCTTAATGCT 1505
 Db 721 CTGACAACTGAGAGAACTATATAAAGTATATGATATGTGACACTTCTTAATGCT 780
 QY 1506 GAAGATGAAAAAGAT 1565
 Db 781 GAAGATGAAAAAGAT 840
 QY 1566 TTGTCAATTAATTCGAT 1625
 Db 841 TTGTCAATTAATTCGAT 900
 QY 1626 ATCTGATTAATCTTTTAAAGCCCAATGTAATTAATTAACGAGAACATGATATTAATA 1685
 Db 901 ATCTGATTAATCTTTTAAAGCCCAATGTAATTAATTAACGAGAACATGATATTAATA 960
 QY 1686 CAAAAAACAAGATACCTTTTCAAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAT 1745
 Db 961 CAAAAAACAAGATACCTTTTCAAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAT 1020
 QY 1746 AATGCTGGGCGCAACATCTTCAAAAACTGTCTAAAAAGAAATGACTCTACATTTATAG 1805
 Db 1021 AATGCTGGGCGCAACATCTTCAAAAACTGTCTAAAAAGAAATGACTCTACATTTATAG 1080

QY 1806 AACTATTGTGAGTAAGAAATGAGATATATCCACAGAGAGATGTTGAGTCTGTCA 1865
 Db 1081 AACTATTGTGAGTAAGAAATGAGATATATCCACAGAGAGATGTTGAGTCTGTCA 1140
 QY 1866 CTGAGAGAACAATTGAGAGAGTGTGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAT 1925
 Db 1141 CTGAGAGAACAATTGAGAGAGTGTGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAT 1200
 QY 1926 GAAATTTCTGTGATTAATTTCTTGTGTGATCTGTGATGATGAGAGAGATGCCCCCT 1985
 Db 1201 GAAATTTCTGTGATTAATTTCTTGTGTGATCTGTGATGATGAGAGATGCCCCCT 1260
 QY 1986 TCTTAAGAAAAATGCCATTTGACAGGGGTATATCAAGGGTACTGTTGATCAATTTCTC 2045
 Db 1261 TCTTAAGAAAAATGCCATTTGACAGGGGTATATCAAGGGTACTGTTGATCAATTTCTC 1320
 QY 2046 TCTTAAGAAAAATGCTATATTTTAACTGATTAATAAGTCTTTAAATATTTGTA 2105
 Db 1321 TCTTAAGAAAAATGCTATATTTTAACTGATTAATAAGTCTTTAAATATTTGTA 1380
 QY 2106 ACACTTGAGCCATCTAAAGTAAAGGAGATTAATGATTTTCAATTAAGTAAACA 2160
 Db 1381 ACACTTGAGCCATCTAAAGTAAAGGAGATTAATGATTTTCAATTAAGTAAACA 1435

RESULT 10
 US-10-232-286-13
 ; Sequence 13, Application US/10232286
 ; Publication No. US20030143579A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Roche, Mike
 ; TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT
 ; STREET: 4 Embarcadero Center, Suite 3400
 ; CITY: San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94111
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent in Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/10/232,286
 ; FILING DATE: 30-Aug-2002
 ; CLASSIFICATION: <Unknown>
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/569,749
 ; FILING DATE: <Unknown>
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Brezner, David J.
 ; REGISTRATION NUMBER: 24,774
 ; REFERENCE/DOCKET NUMBER: A-62464/DJB
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (415)781-1989
 ; TELEFAX: (415)398-3249
 ; INFORMATION FOR SEQ ID NO: 13:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2862 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 13:
 US-10-232-286-13

Query Match 52.0%; Score 1345.2; DB 12; Length 2862;
 Best Local Similarity 76.6%; Pred. No. 2.9e-273;
 Matches 1844; Conservative 0; Mismatches 483; Indels 79; Gaps 13;

Qy	140	TGTCAGAAATTTCAATGTGAATGTTTAACTATCAACAGCACTGTCACTACTCANTGA	199
Db	420	TGGTGAGAAACTTCATCTGGAAGTTTAAACGGTCAGAAATACATTT--ACTACTCATGGA	477
Qy	200	CAAACTGCTCCCAAGAATTTCACAGTCCCTCGTATCAAAACATTTAAGATATAT	259
Db	478	CAAACTGTCTCCAGAGACTCGGCGAAGSTACTTACCAAAAATTAAAGTATAT	537
Qy	260	GGAAGATGACAGATCTTGTCAAGTTTGGCAAAACAGCACAAAACAAAATGAATATGA	319
Db	538	GGAGAAAGACACAATCTTGTCAAAATTTGCAAAAGAGAGCGAAGAAAATGAAGTTTGA	597
Qy	320	CTTTTCCTGTGAACCTACAGAAATGTCTACATATTTCAACTTTCCCGCGGGTGCCTGT	379
Db	598	CTTTTCGTGTGAACCTACCGAATGTCTACATATTTCAAGTTTTCACAGGGAAGTTCCTGT	657
Qy	380	CTCAGAAAGAGTCTTGTCTGTGTGTTTATATATACAGGTGAATGACAAAGTCAA	439
Db	658	CTCAGAGAGAGTCTGCTGTGTGTTTATATATACAGGTGAATGACAAAGTCAA	717
Qy	440	ATGCTTGTGTGTGAGCTGATGTGATTAATGGAACCTAGAGACAGCTCTATTCAAA	499
Db	718	GTGCTTGTGTGTGAGCTGATGTGATTAATGGAACCTAGAGACAGCTCTATTCAAA	777
Qy	500	GCATTAACAGCTATATCTAGCTGTAGCTTATTCAGAAATCTGTTCAGCTATGTGGG	559
Db	778	GCACAGACAGTCTATATCCAGCTGACGCTTGTATACAGACTCTGCTTACGCCAGTCTCA	837
Qy	560	ATCCACCTCTAAGATATAGTCTTCCAATGAGAAACAGTTTTCACATTGATATCTCCAC	619
Db	838	GTCCTCATCTAAGATATAGTCTCTGTGAAGATGATTTGCACTTGTCACTCTGGA	897
Qy	620	CTTGAAACATAGTAGCTTGTTCAGTGTCTTCTACAGCTTTCCTCCAAACCTCTTAA	679
Db	898	ACGAG-----GTGGCAATCACTCCAACTGTGTCTAGACCTCTTAA	939
Qy	680	TTCTAGAGAGTTGAAGACATCTCTTACGAGAGCTAACTCCCTACAGTTATGCAATGAG	739
Db	940	TTCTAGAGAGTTGAAGACTTC--TCATCAAGATGAGATCCCTGACCTATGCCANTGAG	996
Qy	740	TACTGAAGAAAGCAGATTTCTTACTTACCATATCTGGCCATTAATTTTTGTCAACATC	799
Db	997	TACAGAAAGGCGCAGATTTCTTACTTACAGTATGTGGCTTTAAGTTTCTGTCAACAGC	1056
Qy	800	AGAATTTGGCAGAGCTGTTTTTATATATATAGACCTGAGATAGGGTAGCTGCTTTGC	859
Db	1057	AGAGCTGGCGAGAGCTGGCTTCTATTAACAATAGGCTGAGACAGGGTGGCTGTTTTGC	1116
Qy	860	CTGTGTGGGAAAGCTCAATTAACCTGGAAACCAAGAGATGATGCTATGTCAAAACCGAG	919
Db	1117	CTGTGTGGGAAACTGAGCACTGGGAAACCAAGAGATGATGCTATGTCAAGCACCGAG	1176
Qy	920	GCATTTTCCCAACTGTCCATTTTGGAAATTCCTAGAACTCTGAGSTTTAGCATTTTC	979
Db	1177	ACATTTTCCCACTGTCCATTTCTGAAATACTTCAGAAACACAGAGSTTTAGTATATTC	1236
Qy	980	AAATCTGAGCATGACACACATGACGCTCGAATGAGAAACATTTATGTACTGGCATCTAG	1039
Db	1237	AAATCTAGTATGACACACACTGTGCTGATTTGAGGACATTTCTGTACTGGCACCTAG	1296
Qy	1040	TGTTCCAGTTCAGCTGAGCAGCTTGACGCTGCTGTTTTTATATATGTGGTCCAAATGA	1099
Db	1297	TGTTCTGTTCAGCCCGAGCAGCTTGCAAGTCTGGAATTCATTAACGTGATGCCAATGA	1356
Qy	1100	TGATGTCAAATGCTTTTGTGTGATGTGTGCTTGAAGTGTGGGAATCTGAGATGATCC	1159
Db	1357	TGATGTCAAAGTCTTTTGTGTGATGTGTGCTTGAAGATGTGGGAACCTGAGATGATCCC	1416
Qy	1160	ATGGGTAGAACATGCCCAAGTGTTCACAAAGTGTGAGTCTTGATACGAATGAAGGCCA	1219
Db	1417	CTGATATGAACAGCCCAATGTGTTTCCAAAGTGTGAGTCTTGATATCGATGAAGGGTCA	1476

QY	1220	AGA	GT	TG	TG	TGA	TGA	AT	TCA	AG	TAT	TCC	TCA	AT	CTT	CTT	TGA	CA	AG	CT	GT	TG	CA	AC	1279	
Db	1477	GGA	GT	T	T	G	T	T	G	A	T	T	T	G	A	T	T	T	C	A	A	G	T	T	C	1536
QY	1280	TTC	A	G	A	T	T	C	C	A	C	T	G	A	A	A	A	A	A	A	A	A	A	A	1333	
Db	1537	TT	C	A	G	A	C	A	C	C	C	C	A	G	A	A	A	A	A	A	A	A	A	A	1596	
QY	1334	TG	A	G	A	A	A	G	T	T	C	T	T	C	A	G	A	G	A	G	T	C	T	G	1393	
Db	1597	TG	A	G	A	A	A	G	---	T	T	C	G	A	A	G	A	G	T	C	T	G	A	G	1653	
QY	1394	GGA	A	A	A	T	G	G	C	T	T	A	T	A	T	A	T	A	T	A	T	A	T	A	1453	
Db	1654	GGA	A	A	T	G	G	C	T	T	C	A	T	A	T	A	T	A	T	A	T	A	T	A	1713	
QY	1454	TG	A	G	A	G	A	C	T	A	T	A	A	A	C	A	G	T	T	A	T	T	G	T	1513	
Db	1714	TG	G	T	G	A	A	A	C	T	A	C	A	G	A	C	C	G	T	C	A	T	A	T	1773	
QY	1514	AAA	A	G	A	G	A	G	A	G	A	G	A	A	A	A	A	A	A	A	A	A	A	A	1573	
Db	1774	G	A	G	A	G	A	G	A	G	A	G	A	A	A	A	A	A	A	A	A	A	A	A	1833	
QY	1574	AA	T	T	C	G	A	A	G	A	A	C	A	A	T	T	G	A	C	A	T	G	T	G	1633	
Db	1834	GA	T	T	C	G	A	A	G	A	T	A	T	T	A	T	T	A	T	T	A	T	T	A	1893	
QY	1634	TAA	T	C	T	T	T	A	A	G	G	C	C	A	T	G	T	A	T	T	A	T	T	A	1693	
Db	1894	TAA	T	C	T	T	T	A	A	G	G	C	C	A	T	G	T	A	T	T	A	T	T	A	1953	
QY	1694	ACA	G	A	T	A	C	C	T	T	A	C	A	G	C	G	A	G	A	A	C	T	G	A	1753	
Db	1954	ACA	G	A	T	A	C	C	T	T	A	C	A	G	C	G	A	G	A	A	C	T	G	A	2013	
QY	1754	GG	C	CA	C	A	T	C	T	T	CA	AA	A	A	A	A	A	A	A	A	A	A	A	A	1813	
Db	2014	AG	CC	A	C	A	T	C	T	T	CA	AA	A	A	A	A	A	A	A	A	A	A	A	A	2073	
QY	1814	TG	T	G	A	T	A	G	A	T	A	T	A	T	T	C	CA	A	G	A	A	G	T	T	1873	
Db	2074	TG	T	G	A	A	A	G	A	T	A	T	A	T	T	C	CA	A	G	A	A	G	T	T	2133	
QY	1874	ACA	T	T	G	A	G	A	G	T	T	C	CA	AA	A	A	A	A	A	A	A	A	A	A	1933	
Db	2134	GCA	G	T	T	C	G	A	T	T	C	CA	AA	A	A	A	A	A	A	A	A	A	A	A	2193	
QY	1934	TG	T	T	G	A	T	T	A	T	T	C	T	T	G	T	C	A	T	C	T	G	A	T	1993	
Db	2194	TAA	T	T	G	T	T	C	A	T	T	C	T	T	G	T	C	A	T	C	T	G	A	T	2253	
QY	1994	AAA	A	T	G	C	C	T	A	T	T	G	C	A	G	G	G	T	A	T	A	T	A	T	2053	
Db	2254	GAA	G	T	G	C	C	C	A	T	C	T	G	C	A	G	G	G	G	A	C	A	T	T	2311	
QY</																										

DB 2519 CAGAGAGTGGAGTGTCTGTATGTC-----CTGAGACTTCTTGAT---TTGGAATT 2571
QY 2354 TCAGAAAGCTTTGAATATTAATTAATGATAGAAAAGAACTGAAACCAAGAACTCTGG 2413
DB 2572 TGTGAAAGCTTTGATTCAGGTGATGTGAGCTCAGAAATCTGAAACCAAGTGGCTGG 2631
QY 2414 AGTTCAATCAGAGTTATGATGCGGAATTTCTTTGAGCTTTTCACTTGTCTTTAAATA 2473
DB 2632 TACTCA--GTAGTAAAGGTACCTGTGCTTCTGTGCTTTCTCTG---GAAATA 2686
QY 2474 AGGATTTTCTCTTATTTCTCCCTCAGTTGTGAGAAACATCTCAATAAGTCTTAA 2533
DB 2687 AGGATTTTCTCTCTACTAGTAAATATTTCTGTTGTGAGAAATATTAAGTCTTCT 2746
QY 2534 AAAAAA 2539
DB 2747 TTTAAA 2752

RESULT 11

US-09-974-592-13
; Sequence 13, Application US/0974592
; Patent No. US20020120121A1
; GENERAL INFORMATION:
; APPLICANT: Korneluk, Robert G
; APPLICANT: Mackenzie, Alexander E
; APPLICANT: Liston, Peter
; APPLICANT: Baird, Stephen
; APPLICANT: Teang, Benjamin K
; APPLICANT: Pratic, Christine
; TITLE OF INVENTION: DETECTION AND MODULATION OF IAPs AND
; TITLE OF INVENTION: NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
; TITLE OF INVENTION: DISEASE
; FILE REFERENCE: 07891/009004
; CURRENT APPLICATION NUMBER: US/09/974,592
; CURRENT FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: US 09/617,053
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 08/800,929
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 3151
; TYPE: DNA
; ORGANISM: Mus musculus
; US-09-974-592-13

Query Match 51.9%; Score 1343.6; DB 10; Length 3151;
Best Local Similarity 76.2%; Pred. No. 6.7e-273;
Matches 1852; Conservative 0; Mismatches 499; Indels 79; Gaps 13;

QY 116 TTGCTGTAAATAATCTTACTCATGTGAGAAATTTCAATGTGAATGTTTACTATCAA 175
DB 702 TGTGTGAGAGTCTAGTGTCCAAAGTGTGAGAACTTCACTGGAAGTTTAAAGCGTCA 761
QY 176 ACAGCACTGTCACTACTCATGACAAAGTCTCCCAAGACTTTTCCAGTCCCTC 235
DB 762 AAATACATAT--ACTACTCATGACAAAGTCTCCCAAGACTCCGCGCAAGTACTCT 819
QY 236 GTATCAAAACATTAAGATTAATGATGAGAAAGATGACATCTTTCAGATTTGACAAACAG 295
DB 820 ACACCAAAACATTAAGATTAATGATGAGAAAGATGACATCTTTCAGATTTGACAAACAG 879
QY 296 CAACAACAACAAATGAAGTATGACTTTTCTGTGAACCTTAACAGATGTCTACATATTC 355
DB 880 GAGCGAAGAAATGAAGTATGACTTTTCTGTGAACCTTAACAGATGTCTACATATTC 939
QY 356 AACTTTCCCGCGGGGTGCTGTCTCAAGAAAGAGTCTTGTCTGTGCTGTTTATTA 415
DB 940 AGCTTTCCCGCGGGGTGCTGTCTCAAGAAAGAGTCTGCGCCTGTGCTGCTTTATTA 999

QY 416 TACTGTGTGAATGACAGGTCAAAATGCTTCTGTGTGCGCTGATGCTGATTAATGGA 475
DB 1000 TACAGGTGTGAATGACAAAGTCAAGTGTCTGTGTGCGCTGATGCTGATTAATGGA 1059
QY 476 ACTAGAGACAGTCTTATTAAGACATTAACAGTATATCTTACCTGATCTTATTA 535
DB 1060 ACAAGGGGACAGTCTTGTGAAAAGACACAGATGTCTATCCAGCTGACCTTGTACA 1119
QY 536 GAATCTGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 595
DB 1120 GACTGTCTTTCAGCAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 1179
QY 596 TTTGCAATTCATTAATCTCCCACTTGAACATATGAGTGTGAGTGTGAGTGTGAGTGTGAG 655
DB 1180 ATTTGCAATTCATTAATCTCCCACTTGAACATATGAGTGTGAGTGTGAGTGTGAGTGTGAG 1221
QY 656 CAGCCTTCTCCAAACCTCTTAAATTTCTAGAGCAGTGTGAGTGTGAGTGTGAGTGTGAG 715
DB 1222 CAACCTGTCTAGCCTCTTAAATTTCTAGAGCAGTGTGAGTGTGAGTGTGAGTGTGAG 1278
QY 716 TAACCCCTACAGTATGCAATGATGATGATGATGATGATGATGATGATGATGATGATG 775
DB 1279 GGAATCCCTGACGTATGCTGATGATGATGATGATGATGATGATGATGATGATGATG 1338
QY 776 GCCATTAATCTTTGTGACCATGCAATGATGATGATGATGATGATGATGATGATGATGATG 835
DB 1339 GCTTTAAAGTTTCTGTACACAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 1398
QY 836 TGAAGATAGGTAGTGTGCTGT 895
DB 1399 TGAAGACAGGT 1458
QY 896 TGAATGTATGTGAGAACAGGAGGATTTTCCCACTGTCCATTTTGTGAAAATTTCTCT 955
DB 1459 TGATGTATGTGAGAACAGGAGGATTTTCCCACTGTCCATTTTGTGAAAATTTCTCTCT 1518
QY 956 AGAACTCTGAGTTTGAATTTCAATCTGAGATGACAGATGACAGATGACAGATGACAGATGAG 1015
DB 1519 AGAAACACAGAGTTTGAATTTCAATCTGAGATGACAGATGACAGATGACAGATGACAGATGAG 1578
QY 1016 AACATTTATGATGAGT 1075
DB 1579 GACATTTCTGTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1638
QY 1076 TTTTATATGATGAGT 1135
DB 1639 ATTCTATATGATGAGT 1698
QY 1136 GTTGTGGAATCTGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1195
DB 1699 ATGTGTGGAATCTGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1758
QY 1196 GTTCTGTATGAGT 1255
DB 1759 GTTCTGTATGAGT 1818
QY 1256 TCTTCTGAACAGT 1312
DB 1819 TCTTCTGAACAGT 1878
QY 1313 --ACCAATTAATTTTGAACCTGAGAAAGTCTTCAAGATGCTGTCAATGATGA 1369
DB 1879 AGAGACAGTGTGATTTTGTGCTGTGAGAAAG--TTGAAAGATGTGTCAATGATGA 1935
QY 1370 TACACCTGTGTAAATCTGCTTGAAGATGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1429
DB 1936 CAGCCTGTGTAAAGCAGCTTGAAGATGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1995
QY 1430 AGTTCAAGTAAATCTGTCAACATGAGAGAACTATTAACATGATTAATGTGTGT 1489
DB 1996 GGTTCAGCGCAGATCTGTGCTGTGAGAACTACAGAACGCTCAATGATTAATGTGTGT 2055
QY 1490 AGCACTTCTAATGTCTGAAGATGAAAAAGAGAGAGAAAGAAAAACAAGCTGAGA 1549

D	b		2056	AGTACTTTGAAATCTGAAGATGAGAAGAGAGGAGAGGAGACAGACTGAACA	2115
O	y		1550	AATGGCATCAGATGATTGTTCATTAATTGGGAAGAACAGATGGCTCTCTTGCACAATT	1609
D	b		2116	GATGGCATCAAGGTGCCTTAATCACTGATTCGGAAAGATGATGGCCCTCTTTCACAGATT	2175
O	y		1610	GACATGTCGCTTCCTAATCTCGATTAATCTTTTAAAGGCCAATGTATTAATAACAGTA	1669
D	b		2176	GACACATGTCCTTCTCTATCTCTGATTAATCTTCTTGAGGCCAGTGTAAATTAACAAAACAGTA	2235
O	y		1670	ACATGATATTAATTAACAAAAACACAGATACCCTTTACAGCCGAGAACTGATTGATAC	1729
D	b		2236	ACATGATATTAATTAACAAAAACACAGATACCCTTTACAGCAGAGACTTAATTGACAC	2295
O	y		1730	CATTTTGGTTAAAGAAATGCTGGGCCAACATCTTCAA AAACTGCTTA AAAAGAAATTGA	1789
D	b		2236	CGTTTTAGTC AAGGAAATGCTGACGCCAATCTTCAA AAACTCTG AAGAAATTGA	2355
O	y		1790	CTCTACATGTGATPAAGAACTTAATTGTGGA TAAAGATATTAAGTATATTCACAGAAAGTA	1849
D	b		2356	CTCACGTTATATGAAAAAATTAATTTGTGAAAAAGATATTAAGTATATTCACAGAAAGTA	2415
O	y		1850	TGTTTTAGGCTCTGCTACTGGAAGAACATTTGAGAGGTTGCCAAGAAAGCAACTGTGTA	1909
D	b		2416	CGTTTCAGGCTGTCTATTGGAAGACAGTTCGGAGATTAACAAGAAAGCAACTGTGCA	2475
O	y		1910	AGTGTGATGACAAAGAAATTCTGTGTATTATTAATCCGTGTGGTCACTGTGATGATG	1969
D	b		2476	AGTGTGATGACAAAGAAATTCTGTGTATTATTAATCCGTGTGGTCACTGTGATGATG	2535
O	y		1970	CCAAGAAATGCCCCCTCTCTTAAGAAAAATGCTATTGTCAGGGATATTAATCAAGGTTAC	2029
D	b		2536	CCAAGAAATGCCCCCTCTCTTAAGAAATGCCCCATCTGTAAGGGAGCAATCAAGGGGAC	2595
O	y		2030	TGTTCTGATCATTTCTCTCTTAAGAAAAAATAGCTATATTTTAACTGCATTA AAAAGTNC	2089
D	b		2536	TGTGCGCAATTTCTCTCATGA-----GTGAAGATGAT	2629
O	y		2090	TTTAAATATTTGTTGAACCTTGAAAGCATCTAAAGTAA AAAGGAATTAATGATTTTC	2149
D	b		2630	CTGAAGATTTGTTGACATCAGAAAGTGT CAGAA CAAGAATGAATCACTGA---TTTC	2686
O	y		2150	AATTAGTAA CATTCATGTTCTAGTCTGCTTTGGTACTAA TAATCTGTTCTGAAAGAT	2209
D	b		2687	AGCTCTTGACAGACATCTCTCTCTTCAAGATTAATGATCTTGTGCTTAAGAGGT	2746
O	y		2210	GGTATCATATATTTAATCTTAATCTGTTTATTAACAAGGAAAGATTTATGTTGGTGAAC	2269
D	b		2747	AGCATGTGATATTTAAGCTTAAGTGTCTT-----GCAAGGAAAGTCTATG-CTGTTGAC	2800
O	y		2270	TATATTAGTATGTA TGTCACCPAAGGAGTAGTCACTGCTTGTTATGATCATTTCA	2329
D	b		2801	TACAGGACTGTGTCTGTTCCAGAGCAGAGGTTGGATGCTGTGTAATGTC---CTTCA	2856
O	y		2330	GGAATTACTGGA TTGTGTCTTTCAAGAAAGCTTTGAATACTTAATTAATGATGTAGAA	2389
D	b		2857	GGACTTCTTGAT--TTGNAATTTGTGAAGCTTTGGATTCAAGTGAATGAGCTCAG	2913
O	y		2390	AGAACTGAAACCAAGAACTCTGGA GTTCATCAGAGTTA TGGTCCGAAATGTCTTTGCT	2449
D	b		2914	AAATCTGA AACCAAGTGGCTCTGTA CTCA--GTAAGTAAAGGTAACCTGTGCTTGTGT	2971
O	y		2450	GCTTTTCACTGTGTTTAAATAAGATTTTCTCTTAATTTCTCCCTAGTTGTGAG	2509
D	b		2972	GCTTTTCTTTCTG---GAAATTAAGATTTTCTGTCTACTGTGTAATATTTCTGTGTTG	3028
O	y		2510	AAACATCTCAATAAAGTGTCTTA AAAAAAAA	2539
D	b		3029	TGAGAAATATATTAAAGTGTCTTTTAA	3058

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US-09-201-936 41
; Sequence 41, Application US/09201936
; Publication No. US20020187946a1
; GENERAL INFORMATION:
; APPLICANT: Korneluk, Robert G.
; APPLICANT: Mackenzie, Alexander E.
; APPLICANT: Baird, Stephen
; APPLICANT: Liston, Peter
; TITLE OF INVENTION: MAMMALIAN IAP GENE FAMILY, PRIMERS,
; FILE REFERENCE: 07891/003003
; CURRENT APPLICATION NUMBER: US/09/201,936
; CURRENT FILING DATE: 1998-12-01
; EARLIER APPLICATION NUMBER: 09/011,356
; EARLIER FILING DATE: 1998-02-04
; EARLIER APPLICATION NUMBER: PCT/IB96/01022
; EARLIER FILING DATE: 1996-08-05
; EARLIER APPLICATION NUMBER: 08/576,956
; EARLIER FILING DATE: 1995-12-22
; EARLIER APPLICATION NUMBER: 08/511,485
; EARLIER FILING DATE: 1995-08-04
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 41
; LENGTH: 2416
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-201-936-41

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Query Match	51.4%	Score 1330.4	DB 10	Length 2416
Best Local Similarity	76.4%	Pred. No. 3,5e-270		
Matches 1816	Conservative	0	Mismatches 486	Indels 74
			Gaps	12
QY	116	TTTGGTGTAAATAATCTTAAGTTCATGTGGAAGAAATTTCATGTGATGTTTTACGTATCA	175	
DB	2	TGTGGTGAAGATCTATGTGTCCAAAGTGGGAAGAACTTCATCTGGAAGTTTAAGCGTCA	61	
QY	176	ACAGCACTGTCACTACTCATGCACAAAACTGCTCCCAAGAATTTCAGAGTCCCTC	235	
DB	62	AAATCTACTATT--ACTACTCATGGAACAATACTGTCTCCAGAGACTCGCCCAAGGTACCTT	119	
QY	236	GTATCAAAACA-TTAAGAGTATATGGAAGATAGCAGCATCTGTCAAGTTGGAACAACA	294	
DB	120	ACACCCCAAAACTTAAAGCTATATGGAAGAAGACACATCTGTCAAAATTGGAACAAG	179	
QY	295	GCAACAAACAAATAAATGAAGTATGACTTTTCTGTGAATCTTAAGAAATGTCTACATATT	354	
DB	180	AGAGCGAAGAAAAATGAAGTTGACTTTTCGTGTGAATCTTACCGAATGTCTACATATT	239	
QY	355	CAACTTTCCTCCGCGGGGTGCTGTCTCAGAAAGAGACTTGCTCGTGTGATTTTATT	414	
DB	240	CAGCTTTTCCACAGGGAGATTCTGTCTCAGAGAGAGACTGTGCTCGTGTGCTTTTATT	299	
QY	415	ATATCTGCTGTGAATGACAAGGTCAAAATGCTTCTGTGTGGCCGTATGCTGGATTAAGTGA	474	
DB	300	ATACAGGTGTGAATGACAAGTCAAGTCTTCTGTGTGGCCGTATGTTGGATTAAGTGA	359	
QY	475	AACTAGGAGACAGTCTTAATCAAAAGCATAAACAGCTATATCTAGCTGTAGCTTTATTC	534	
DB	360	AACAAAGGAGACAGTCTGTGTGAAGAGCACAGACATTTATATCCAGCTGACGCTTTGTAC	419	
QY	535	AGATCTGTGTTTCAGTATGCTGGGATCCACTTAAGATAGCTTCCATGGAACA	594	
DB	420	AGACTCTGTCTTCAGCCAGTCTGCACTCTCACTTAAGATATGTCTCTGTGAAAAGTA	479	
QY	595	GTTTTGACATTTATTTATCTCCCACTTGAACAATAGTAGCTGTTCAGTGTCTTACT	654	
DB	480	GATTTGACATTTGTGTACCTCTGGAAGAG-----GTGGCAVTTCACT	521	
QY	655	CCAGCCTTTCCTCAAAACCTCTTAATTTAGACAGTGAAGACATCTTTCATCGAGA	714	
DB	522	CCAACTGTGTCTTAAGCCTCTTTAATTTAGAGCAGTGAAGACTTC--TCAACAAGA	578	

PRIOR APPLICATION NUMBER: US/60/235,720
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US/60/235,840
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US/60/235,863
PRIOR FILING DATE: 2000-09-27
NUMBER OF SEQ ID NOS: 2276
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1635
LENGTH: 3076
TYPE: DNA
ORGANISM: Homo sapiens
US-09-954-456-1635

Query Match 44.7%; Score 1157; DB 10; Length 3076;
Best Local Similarity 77.3%; Pred. No. 1.4e-233;
Matches 1474; Conservative 0; Mismatches 415; Indels 18; Gaps 5;

QY 170 TATCAACAGCAGCTGTACCTACTGACAAAAGTCTCTCC-----AAAGACTTTT 223
DB 640 TATTAACAGTAAAGCAAGCAGTACAAAAGTACCTCCCTAGAGAAAGCTATGC 699
QY 224 CCCAGGCTCCCTGATCAAAAATTAAAGATTAATGAAGATGACAGATCTTGTACA 283
DB 700 CCTTTCTTCCCATTTATTTATTAAGATTAAGAAACAGCATATTTCTTATCAAA 759
QY 284 TTGAGACAAAG--CAACAAACAAAATGAATGATGATTTCTCTGTAACCTACAG 340
DB 760 TTTGATGAAAAGCGCCAAACAGCTTGAATGAAATGATGATGATGAACTGATCCG 819
QY 341 AATGTCTACATATTCACCTTCCCGCGCGGCTGTCTCAGAAAAGAGTCTTGTCTG 400
DB 820 AATGTCTACATATTCACCTTCCCGCGGCTGTCTCAGAAAAGAGTCTTGTCTG 879
QY 401 TGTGTGTTTATTAATGATGATGATGATGATGATGATGATGATGATGATGATG 460
DB 880 TGTGTGTTTATTAATGATGATGATGATGATGATGATGATGATGATGATGATG 939
QY 461 GCTGATTAACAGGAACTAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 520
DB 940 GCTGATTAACAGGAACTAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 999
QY 521 CTGTAGCTTATTAATGATGATGATGATGATGATGATGATGATGATGATGATG 577
DB 1000 CTGTAGCTTATTAATGATGATGATGATGATGATGATGATGATGATGATGATG 1059
QY 578 GT--CTCAATGAGAAACAGTTTGCACATTCATTCATTCATTCATTCATTCAT 634
DB 1060 TTTTCTTCTTCAATTAATTCACATTCATTCATTCATTCATTCATTCATTCAT 1119
QY 635 CTGTGATGAGGTTCTTACTCCAGCTTTCTCAAAACCTCTTATTCATGAGAGTGA 694
DB 1120 AATATTCGAGCTCTTATTAATTCATTCATTCATTCATTCATTCATTCATTCAT 1179
QY 695 AGACATCTTCATGAGAGAGTAAACCTTACATTCATTCATTCATTCATTCATTCAT 754
DB 1180 AGATTTTCTGCTTATTAATTCATTCATTCATTCATTCATTCATTCATTCATTCAT 1239
QY 755 ATTTCTTACCTACATTAATTCATTCATTCATTCATTCATTCATTCATTCATTCAT 814
DB 1240 ATTTCTTACCTACATTAATTCATTCATTCATTCATTCATTCATTCATTCATTCAT 1299
QY 815 TGTGTTTATTAATGAGAGAGTGAAGAGTGAAGAGTGAAGAGTGAAGAGTGAAGAG 874
DB 1300 AGGCTTTTACATTAATTCATTCATTCATTCATTCATTCATTCATTCATTCATTCAT 1359
QY 875 CAGTAACAGGAACTAGAGAGTGAAGAGTGAAGAGTGAAGAGTGAAGAGTGAAGAG 934
DB 1360 GAGCAATGAGAACTAGAGAGTGAAGAGTGAAGAGTGAAGAGTGAAGAGTGAAGAG 1419
QY 935 TCCATTTTGAAGAA--TCTCTGAGAACTGAGGTTTGAAGAGTGAAGAGTGAAGAG 991
DB 1420 CCCATTTATGAGAAATCAGCTTCAAGACATTCAGATTAACAGGTTCTAATCTGAGCAT 1479

QY 992 GCAGACATGACAGCTGATGAGAACTTATGATGAGGACCTAGGTTCCAGTTCA 1051
DB 1480 GCAGACATGACAGCTGATGAGAACTTATGATGAGGACCTAGGTTCCAGTTCA 1539
QY 1052 GCCTGACAGCTTGCAGAGTGTGTTTATTAATGATGAGGAGTGAAGAGTGAAGAG 1111
DB 1540 TCTGAGCAGCTTGCAGAGTGTGTTTATTAATGATGAGGAGTGAAGAGTGAAGAG 1599
QY 1112 CTTTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1171
DB 1600 CTTTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1659
QY 1172 TGCCAAAGTGTTCAGAGTGTGATGATGATGATGATGATGATGATGATGATGATG 1231
DB 1660 TGCCAAAGTGTTCAGAGTGTGATGATGATGATGATGATGATGATGATGATGATG 1719
QY 1232 TGAGATTCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1291
DB 1720 TCAAGTTCAAGCAGTTTACCTCTTCTTGAACAGCTGTTGATCACTTCAAGACAGCC 1779
QY 1292 TGAAGAGAAATGCTGACCCACCAATTAATTCATTTGAGCCTGAGAGAGTTCTTCA 1351
DB 1780 AGGAGATGAAATGACAGAGTCAATTCATTTGAACTGAGAGAGAGACCATTCAGA 1839
QY 1352 AGATGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1411
DB 1840 AGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1899
QY 1412 AGACCTGTGAAACAAACAGTTCAAGTAAATCTGACAACTGAGAGAGATTAATTAAC 1471
DB 1900 AAGCTGTGTAACAGACAGTTCAAGAAATCTGAGAACTGAGAGAGATTAATTAAC 1959
QY 1472 AGTTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1531
DB 1960 AGTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2019
QY 1532 GGAAGAAACAGCTGAGAAATGAGATGATGATGATGATGATGATGATGATGATG 1591
DB 2020 AGAAGAGCACTGAGAAATGAGATGATGATGATGATGATGATGATGATGATG 2079
QY 1592 GGGCTCTTCAACATTTGATGATGATGATGATGATGATGATGATGATGATGATG 1651
DB 2080 GGCACATTTTCAACATTTGATGATGATGATGATGATGATGATGATGATGATG 2139
QY 1652 TGTATTAATTAACAGAGATGATGATGATGATGATGATGATGATGATGATGATG 1711
DB 2140 AATTAATTAACAGAGATGATGATGATGATGATGATGATGATGATGATGATG 2199
QY 1712 GAGAGACTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1771
DB 2200 AAGAGACTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2259
QY 1772 CTGTCTAAAGAAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1831
DB 2260 CTGTCTAAAGAAATGATGATGATGATGATGATGATGATGATGATGATGATG 2319
QY 1832 GTATATTCACAGAGAGTGTGATGATGATGATGATGATGATGATGATGATGATG 1891
DB 2320 ATATATTCACAGAGAGTGTGATGATGATGATGATGATGATGATGATGATGATG 2379
QY 1892 AGAAGAGCACTGTAAGAGTGTGATGATGATGATGATGATGATGATGATGATGATG 1951
DB 2380 AGAAGAGCACTGTAAGAGTGTGATGATGATGATGATGATGATGATGATGATGATG 2439
QY 1952 TGTGATCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2011
DB 2440 TGTGATCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2499
QY 2012 GGGTATTAATCAAGGATGATGATGATGATGATGATGATGATGATGATGATGATG 2058
DB 2500 GAGTCAATCAAGGATGATGATGATGATGATGATGATGATGATGATGATGATG 2546


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Db      2080 GGCACCTTTTCAACATTGACTGTGTAAATCCATCCGTGATAGTCTACTAATGCGCG 2139
OY      1652 TGTAAATTAATAACAGGAACATGATATTATTAAACAAAAACACAGATACCTTTACAAGC 1711
Db      2140 AATTATTATGACAGACATGATTTATTAAACAGACACAGACGCTTTACAAGC 2199
OY      1712 GAGAGAACTGATGATACATTTTGTAAAGAAATGCTACGCGCAACATCTCAAAA 1771
Db      2200 AAGAGAACTGATGATGATGATTTTAAAGAAATATTACAGCCACTGTATTCAAAA 2259
OY      1772 CTGTCTAAAAGAAATGACTCTACATGTATTAAGAACTTATTGTGATTAAGAAATATGA 1831
Db      2260 CTCTCTGCAAGAGCTGAGCTGTGTATATGAGCATTTATTGTGCAACAGGACATAA 2319
OY      1832 GTATATTCCAAAGAAAGATGTTTCAAGGTCTGTCACTGAAAGAACATTTAGAGAGTTGCA 1891
Db      2320 ATATATCCCAAGAGATGTTTCAATCTACAGTGAAGAACATTTGCGGAGACTACA 2379
OY      1892 AGAAGAACGAACCTGTAAAGTGTATGACAAAGAGTTTCTGTATTTATTCCTTG 1951
Db      2380 AAGAGAAAGAACATGTAAAGTGTATGACAAAGAGTGTCAATAGTGTATTATTCCTTG 2439
OY      1952 TGGTCACTGTAGTATGCCAGAAATGCCCCCTTCTTAAGAAATGCCCTATTGACAG 2011
Db      2440 TGGTCACTAGTATGCAAAAGATTGTCTCTTTAAGAAAGTCTTAATTGTAG 2499
OY      2012 GGGTATTATCAAGGGTACTGTTCGTACATTTCTCTTAAAGAAAA 2058
Db      2500 GAGTACATCAAGGGTACAGTTCGTACATTTCTTCATGAGAGAA 2546
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